CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, June 7, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
June				
9	Concrete sewer	Altoona, Pa	S.	5- 3
*9	Paving	Bridgeport, Conn	P. & B. S.	5-17
12	Lights	Fort Totten, N. Y	P. S. & B. S.	5-31
*12	Paving	Bluefield, W. Va	S. & B. S.	5-24
14	Building	Highlands, N. J	P. S. & B. S.	6- 7
*14	Water mains	Norfolk, Va	S. & B. S.	6- 7
14	Subway station	New York, N.Y.	S. & B. S.	5-31
15	Lights	Fort Ethan Allen, Vt.	S. & B. S.	5-31
15	Grading, etc.	Portland, Me	P. S. & B. S.	5-24
*15	Distributing system	Mitchell, Nebr.	P. & S.	5- 3
*18	Paving, etc.	Clarion, Pa	S. & B. S.	5-31
18	Interceptg sewer	Jackson, Mich.	S. & B. S.	6- 7
18	Drainage canal	Wichita, Kans.	S.	5-24
*20	Canal	Billings, Mont	P. & S.	5-31
*20	Pumping station	Phila., Pa	P. & S.	5-31
21	Canal	Klamath Falls, Ore	P. & S.	5-31
21	Dredging	Bridgeport, Conn	S. & B. S.	5-24
*26	Dredging,	New London, Conn.	S. & B. S.	5-31
30	Piers	Philadelphia, Pa	S.	6- 7
*30	Tunnel	New Zealand	P. S. & B. S.	5-31
*27	Storage works	Portland, Ore	P. S. & B. S.	4-26
July				
*2	Sewer sys.	Cape Girardeau, Mo.	S. & B. S.	5-21
7	Pumps	Garden City, Kans	P. & S.	5-31
Sept.				
15	Hotel bldg.	Manila, P. I	S.	3-29

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close. Work. Place. On file. See issue.

June 10. Light fixtures, Ft. Totten, N. Y....May 24
June 13. Transmission poles, Chicago, Ill....Apr. 26
Advertised, Eng. News, Apr. 26.
June 14. Light & power, Ft. Sam Houston, Tex..May 24
June 15. Electric system, Fort Ethan Allen, Vt..May 24
June 15. Lighting, Fort Wright, Wash....May 31
June 28. Power-house, Washington, D. C....May 17
Advertised, Eng. News, May 17 to June 21.
July 5. Water power for sale, Kenora, Ont....Mar. 15
Advertised, Eng. News, Mar. 15.
No date. Gas plant, Wakefield, Nebr....May 31

BRIDGES.

June 7. Pipe-conduit bridge, N. Chicago, Ill....May 17
June 7. Four bridges, Duluth, Minn....May 31
June 8. Bridge, Winchester, Ont....May 31
June 8. Bridge repairs, Salem, Ore....May 31
June 8. Steel bridge, Portland, Ore....May 10
June 8. Concrete span, Vincennes, Ind....June 7
June 11. Bridge, Seymore, Wis....June 7
June 11. Steel bridge, Wilmington, Del....June 7
Advertised, Eng. News, June 7.
June 11. Culvert, Jefferson, Ohio....May 31
June 12. Two bridges, South Bend, Ind....May 24
June 12. Two aqueducts, Le Sourdsville, Ohio....May 24
June 13. Bridge, Urbana, Ill....June 7
June 14. Draw-bridge, Seattle, Wash....June 7
June 14. Bridge, Oakland, Cal....June 7
June 14. Bridge, Cape May, N. J....May 31
June 16. Bridge, Alamosa, Colo....May 31
June 16. Four bridges, Washington, D. C....June 7
June 18. Bridge, Helena, Mont....June 7
June 18. Two steel bridges, Cornwall, Ont....May 31
June 19. Bridge, Annapolis, Md....June 7
Advertised, Eng. News, June 7.
June 22. Bridges, etc., Columbia City, Ind....June 7
June 26. Bridge, Olongapo, P. I....May 24
June 30. Bridges, St. John, N. B....Apr. 12
July 1. Four steel bridges, Leland, La....May 24
July 2. Steel bridge, Lakeport, Cal....May 31

BUILDINGS.

June 7. Court-house, Peru, Ind....Apr. 26
June 8. School, Cincinnati, Ohio....June 7
June 9. Library, Durham, N. H....June 7
June 10. Building, Columbus, Mo....May 24
June 11. School, Cincinnati, Ohio....June 7
June 11. Court-house, Jackson, Minn....June 7
June 11. Jail, Whitesburg, Ky....June 7
June 11. Schools, New York, N. Y....June 7
June 11. School, Trenton, N. J....June 7
June 12. Library, Toronto, Ont....June 7
June 12. Storehouse, etc., Ft. Screven, Ga....June 7
June 12. Gymnasiums, etc., Boston, Mass....June 7
June 12. Fire house, New York, N. Y....June 7
June 12. Concrete building, Dolgeville, N. Y....May 31
Advertised, Eng. News, May 31 and June 7.
June 14. Buildings, Tomah, Wis....May 31
June 14. Subway station, New York, N. Y....May 31
June 14. Building, Highlands, N. J....June 7
June 14. Gymnasium and post, Delaware City, Del. May 24
Advertised, Eng. News, May 24 to June 7.
June 15. Buildings, Ft. Riley, Kans....June 7
June 15. Y. M. C. A. building, Charleston, W. Va. May 31
June 18. Building, Washington, D. C....June 7
Advertised, Eng. News, June 7 and 14.
June 19. Court-house, Sumter, S. C....May 31
June 20. Buildings, Rochester, N. Y....June 7
Advertised, Eng. News, June 7 and 14.
June 20. Building, Poughkeepsie, N. Y....June 7
Advertised, Eng. News, June 7 and 14.
June 21. Gun shed, Annapolis, Md....May 31
Advertised, Eng. News, May 31 and June 7.
June 22. Church, Douglas, Ga....June 7
June 26. Court-house, Brunswick, Ga....May 24
Advertised, Eng. News, May 24 and 31.
July 1. Court-house, Monticello, Ga....June 7
Sept. 15. Hotel, Manila, P. I....Mar. 29
No date. Planing mill, Washington, D. C....June 7
No date. Creamery, Rising Sun, Md....June 7

WATER SUPPLY AND IRRIGATION.

June 7. Water mains, North Chicago, Ill....May 3
June 7. Water meters, Yonkers, N. Y....May 24
Advertised, Eng. News, May 24.
June 7. Water system, Fort William, Ont....May 24
June 8. Water-works material, Tuscan, Ariz...May 31
June 9. Water-works, Rathdrum, Idaho....May 31
June 9. Electric pumps, etc., Williston, N. Dak. June 7
Advertised, Eng. News, June 7 to 28.
June 11. Stand-pipe, Edgartown, Mass....May 31
Advertised, Eng. News, May 31.
June 11. Water-works, Meeteetse, Wyo....May 31
June 12. Pipe, etc., Cincinnati, Ohio ....May 24
June 13. Water mains, New York, N. Y....June 7
June 14. Pipe, Yonkers, N. Y....May 24
Advertised, Eng. News, May 24.
June 14. Shore pipe, Portland, Ore....May 31
June 15. Distributing system, Brownsville, Tex..May 31
June 15. Engines and pumps, Chatham, Va....June 7
Advertised, Eng. News, June 7.
June 18. Pipe, etc., Brandon, Man....May 24
June 19. Water-works, Leesburg, Va....May 24
Advertised, Eng. News, May 24 and June 7.
June 20. Water-works, Tallula, Ill....May 24
Advertised, Eng. News, May 24 and 31.
June 20. Pumping station, etc., Philadelphia, Pa. May 17
Advertised, Eng. News, May 17 and 24 and June 14.
June 20. Water-works, Potlatch, Idaho....June 7
June 22. Filter supplies, Cincinnati, Ohio....June 7
June 25. Water mains, etc., Port Washington....June 7
Advertised, Eng. News, June 7 and 14.
June 25. Water-works, Alturas, Cal....May 31
June 29. Conduit & reservoir, Carney's Point, N. J. June 7
Advertised, Eng. News, June 7 to 21.

SEWERAGE.

June 7. Sewers, Schenectady, N. Y....June 7
June 8. Sanitary sewers, Madison, Wis....June 7
June 8. Sewers, Green Island, N. Y....May 31
June 8. Intercepting sewer, Mount Carmel, Pa..May 17
Advertised, Eng. News, May 17 to 31.
June 9. Sewer, Cornwall, Ont....June 7
June 11. Sewers, Chillicothe, Ohio....June 7
June 11. Sewers, Newark, N. J....June 7
June 11. Sewers, Washington, D. C....May 24
Advertised, Eng. News, May 24 and 31.
June 11. Sewers, Des Moines, Iowa....May 31
June 11. Culvert, Jefferson, Ohio....May 31
June 12. Sewer outlet, Collinwood, Ohio....May 31
June 12. Screening basin, etc., Cleveland, Ohio...May 24
June 12. Sewer, Medford, Ore....May 24
June 12. Sewer, Evansville, Ind....June 7
June 13. Sewers, Marion, Ohio....June 7
June 13. Sewers, New York, N. Y....May 31
June 13. Sewer basins, New York, N. Y....May 31
June 14. Disposal plant, Wayne, Pa....June 7
Advertised, Eng. News, June 7.
June 15. Sewer, Hammond, Ind....June 7
June 15. Sewers, Utica, N. Y....June 7
June 15. Sewer system, Grand Rapids, Mich....June 7
Advertised, Eng. News, June 7.
June 15. Sanitary sewer, Waterford, N. Y....June 7
Advertised, Eng. News, June 7 and 14.
June 15. Sewers, Grand Rapids, Mich....May 31
June 15. Sewer construction, Escanaba, Mich....May 3
June 18. Intercepting sewer, Jackson, Mich....May 31
Advertised, Eng. News, May 31.
June 18. Sewers, Washington, D. C....May 31
Advertised, Eng. News, May 31 and June 7.
June 20. Sewer, Bridgeport, Conn....June 7
Advertised, Eng. News, June 7 and 14.
June 23. Sewers, Ogden, Utah....June 7
June 23. Sewers, Norwood, Ohio....June 7
June 26. Sewer, Vacaville, Cal....Apr. 5
No date. Sewers, Knoxville, Tenn....May 31

STREETS AND ROADS.

June 7. Macadamizing, etc., Pleasantville, N. Y. May 24
Advertised, Eng. News, May 24 and 31.
June 8. Streets, St. Louis, Mo....May 31
June 8. Macadam, Wallingford, Conn....June 7
June 9. Pike, Celina, Ohio....May 31
June 9. Paving, Bridgeport, Conn....May 17
Advertised, Eng. News, May 17 and 24.
June 11. Macadamizing, Morristown, N. J....May 24
June 11. Paving, Patton, Pa....May 24
Advertised, Eng. News, May 24 to June 7.
June 11. Paving, etc., Emporia, Kans....June 7
June 11. Paving, etc., Wilkes-Barre, Pa....June 7
Advertised, Eng. News, June 7.
June 12. New road, Constableville, N. Y....June 7
June 12. Paving, Van Buren, Ind....June 7
Advertised, Eng. News, June 7.
June 12. Paving, etc., New York, N. Y....June 7
June 12. Paving, Bluefield, W. Va....May 24
Advertised, Eng. News, May 24 to June 7.
June 13. Street work, Marion, Ohio....June 7
June 14. Sidewalks, St. Bernard, Ohio....June 7
June 14. Paving, etc., New York, N. Y....June 7
June 14. Constructing roads, Louisville, Ky....May 24
June 15. Grading, etc., Portland, Me....May 24
June 15. Paving, etc., Amherst, N.S....June 7
June 15. Sidewalk, Spencer, Iowa....June 7
June 16. Towpath, Portsmouth, Ohio....June 7
June 18. Sidewalks, Lockport, Ill....June 7
June 18. Paving, Clarion, Pa....May 24
Advertised, Eng. News, May 24 and 31.
June 18. Paving, etc., Lewiston, Pa....May 31
Advertised, Eng. News, May 31 to June 14.
June 19. Macadam, Wilmington, Del....June 7
Advertised, Eng. News, June 7.
June 20. Streets, Janesville, Wis....May 31
June 20. Paving, etc., Spangler, Pa....June 7
Advertised, Eng. News, June 7 and 14.
June 22. Macadam, Somerville, N. J....June 7
Advertised, Eng. News, June 7 to 21.
June 22. Paving, Norfolk, Va....May 31
Advertised, Eng. News, May 31 and June 7.
June 28. Roads, Albany, N. Y....June 7
Advertised, Eng. News, June 7 to 21.
June 29. Roads, Albany, N. Y....June 7
Advertised, Eng. News, June 7 to 21.
June 30. Roads, Albany, N. Y....June 7
Advertised, Eng. News, June 7 to 21.
No date. Ten gravel roads, Brownstown, Ind....May 31
No date. Stone road, Sullivan, Ind....May 31
No date. Gravel roads, Paoli, Ind....May 31

MISCELLANEOUS CONTRACTS.

June 8. Roadway, Cincinnati, Ohio....May 31
Advertised, Eng. News, May 31.
June 8. Dredging, Buffalo, N. Y....May 31
June 8. Cement, Portland, Ore....May 17
Advertised, Eng. News, May 17 to 31.
June 8. Supplies, Panama ....May 17
Advertised, Eng. News, May 24 and 31.
June 11. Screens, Fort Meade, S. Dak....May 24
Advertised, Eng. News, May 24 to June 7.
June 11. Drainage ditch, Niles Center, Ill....May 31
Advertised, Eng. News, May 31.
June 11. Concrete dam, Orilla, Ont....May 31
June 12. Cars, Bangkok, Siam ....May 31
Advertised, Eng. News, May 3 and 10.
June 12. Ditch, Mason City, Iowa ....June 7
June 12. Dredging, Jacksonville, Fla....June 7
Advertised, Eng. News, June 7 and 21.
June 13. Dredging, Sault Ste. Marie, Ont....June 7
June 14. Dredging, Philadelphia, Pa....May 31
Advertised, Eng. News, May 31 and June 7.
June 14. Office fixtures, Cape May, N. J....May 31
Advertised, Eng. News, May 31 to June 14.
June 14. Ditch, Hood River, Ore....May 31
June 14. Levee work, Memphis, Tenn....May 24
June 14. Dredging, Cocheco River, N. H....May 17
June 14. Wharf and laundry, Savannah, Ga....May 17
Advertised, Eng. News, May 17 and 24.
June 15. Building material, West Point, N. Y....May 17
Advertised, Eng. News, May 17 to June 7.
June 15. Distributing system, Mitchell, Neb....May 3
Advertised, Eng. News, May 3 to 24.
June 15. Concrete superstructures, Cornwall, Ont..June 7
June 18. Ditch, Montgomery, Ala....June 7
June 18. Drainage Canal, Wichita, Kans....June 7
Advertised, Eng. News, June 7 and 14.
June 19. Stone crusher, Portland, Me....June 7
Advertised, Eng. News, June 7.
June 20. Levee work, Memphis, Tenn....June 7
June 20. Wash borings, Baltimore, Md....June 7
Advertised, Eng. News, June 7.
June 20. Wireless station, New York, N. Y....June 7
June 20. Grading railroad, Townsend, Tenn....June 7
Advertised, Eng. News, June 7 and 14.
June 20. Canal, Billings, Mont....May 17
Advertised, Eng. News, May 17 to June 14.
June 20. Dredging, Cleveland, O....May 31
June 21. Stone mound, Charleston, S. C....May 31
Advertised, Eng. News, May 31 to June 14.
June 21. Canal, Klamath Falls, Ore....May 17
June 21. Dredging, Bridgeport, Conn....May 24
Advertised, Eng. News, May 24 to June 14.
June 21. Incinerator, Winnipeg, Man....May 31
Advertised, Eng. News, May 31 and June 7.
June 23. Dredging, Walnut, Ill....June 7
Advertised, Eng. News, June 7 and 14.
June 25. Machinery, Pittsburg, Pa....June 7
June 25. Grading and bridging, Tremont, La....June 7
June 25. Repairing breakwater, Burlington, Vt....May 31
Advertised, Eng. News, May 31 to June 21.
June 26. Dredging, New London, Conn....May 31
Advertised, Eng. News, May 31 to June 21.
June 27. Storage works, Portland, Ore....Apr. 26
Advertised, Eng. News, Apr. 26 to May 10.
June 28. Dam, Hermiston, Ore....May 3
Advertised, Eng. News, May 3 to June 7.
June 28. Light-house supplies, Tompkinsville, N.Y. May 31
Advertised, Eng. News, May 31 to June 21.
June 28. Dredging, Erie, Pa....June 7
Advertised, Eng. News, June 7 to 21.
June 29. Retaining walls, Catlettsburg, Ky....May 31
Advertised, Eng. News, May 31 to June 21.
June 29. Canal, Portland, Ore....May 10
Advertised, Eng. News, May 10 to June 7.
June 30. Superstructure, Chicago, Ill....May 31
Advertised, Eng. News, May 31 to June 21.
June 30. Piers, Philadelphia, Pa....June 7
June 30. Sea wall, Fort Monroe, Va....June 7
Advertised, Eng. News, June 7 to 28.
July 7. Pumps, Garden City, Kans....May 31
July 10. Dam, Cody, Wyo....June 7
Advertised, Eng. News, June 7 to 28.
July 11. Butterfly dam, Chicago, Ill....May 17
Advertised, Eng. News, May 17.
No date. Hill levelling, Famagusta, Egypt....June 7
Advertised, Eng. News, June 7 to 28.

CIVIL SERVICE EXAMINATIONS.

June 7. Inspector of Carpentry, etc., New York..May 17
June 12. Inspector, pipe laying, New York, N.Y. May 17
June 13. Mech. Supt., Manila, P. I....May 17
June 13. Statistician, Washington, D. C....May 17
June 13. Engineer, etc., Winnebago, Nebr....May 17
June 13. Mech. Draftsman, Rock Island, Ill....May 17
June 13. Custodian, West Point, N. Y....May 17
June 13. Map Printer, Washington, D. C....May 17
June 20. Mechanician, Mt. Weather, Va....May 31
June 20. Mechanician, Mt. Weather, Va....May 31
June 20. Rodman, Albany, N. Y....June 7
Advertised, Eng. News, June 7.
June 20. Bridge Designer, Albany, N. Y....June 7
Advertised, Eng. News, June 7.
June 20. Bridge Draftsman, Albany, N. Y....June 7
Advertised, Eng. News, June 7.
June 20. Arch. Draftsman, Albany, N. Y....June 7
Advertised, Eng. News, June 7.
June 27. Testing Engineer, Washington, D. C....May 31
June 27. Gen. Mechanic, Seger Agency, Okla....May 31
June 27. Testing, Engr., Washington, D. C....May 31
July 5. R. R. Transportation Agt., Wash., D. C. June 7
July 5. Hospital Interne, Panama....June 7
July 5. Arch. Draftsman, Philippine Islands....June 7
July 5. Civil Engr., Hot Springs, Ark....June 7
July 6. Medical Interne, Washington, D. C....June 7

PROPOSED WORK

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

Address, **WAINWRIGHT RANDALL**
Editor Construction News

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON, TOPEKA & SANTA FE.—This road is building a cut-off line through western Texas and New Mexico which will reduce the time of transcontinental trains by about five hours. This improvement is known as the Belen cut-off and necessitates the construction of 270 miles of road from Rio Puerco, in New Mexico on the main line a short distance west of Albuquerque, eastward to Texico in Texas, where connection is made with the Santa Fe's Kansas and Texas trunk line. Track-laying has been completed 107 miles east from Belen and 72 miles west from Texico. The intermediate 71 miles have been graded, and grading is now going on for the 30 miles between Belen and Rio Puerco. F. M. Bisbee, La Junta, Colo., is Ch. Engr.

BIRMINGHAM & ATLANTIC.—The CALLAHAN CONSTRUCTION CO., of Knoxville, Tenn., has been awarded a contract by the Birmingham & Atlantic Railroad to build 80 miles of road out of Atlanta to a connection with a new line which the road has in construction between Birmingham and Brunswick. The work is heavy and the CALLAHAN CO. has the contract for grading, masonry and all bridge work. The same company has a 20-mile contract on the line between Brunswick and Birmingham.

BRINSON RY.—This company has been incorporated in Georgia with a capital of $1,000,000 to build a line from Savannah northwest through Chatham, Effingham, Screven, Jenkins, Burke, Jefferson, McDuffie, Wilkes, Oglethorpe and Clark Counties to Athens. The line is to be 180 miles long. The incorporators are Geo. M. Brinson, Chas. Neville, Y. E. Bargeron, W. A. Beale, W. C. Meyers, C. H. Mason, J. H. Dazemore, H. W. De Loach, E. F. Rogers and W. L. Clark. The offices of the company are at Savannah.

BROWNSVILIE, HIDALGO & NORTHERN.—We are officially advised that contracts for the construction of this line, which is to extend from Brownsville to Corpus Christi, Hidalgo, Houston, San Antonio and Brazos Island, Tex., about 500 miles, will be let about Sept. 1. E. B. Gore, Brownsville, Tex., is Ch. Engr.

CALIFORNIA & OREGON COAST.—We are officially informed by T. W. M. Draper, Ch. Engr., 3034 Jackson St., San Francisco, that the general contract for the construction of this road has been let to the OREGON & PACIFIC R. R. CONSTRUCTION CO., and that sub-contracts probably will be let about July 1. Right-of-way and capital has been secured and work will be rushed.

CENTRAL OF GEORGIA.—It is reported that a line is planned by this road to run from Albany, Ga., to Quincy, Fla. Surveyors, under C. K. Lawrence, Engr. of Construction, are in the field. After leaving Albany the line will go in a southern direction to Newton, traversing Dougherty, Baker, Mitchell and Decatur counties in Georgia. After leaving Newton the line will move south to Bainbridge, traversing Decatur County. Leaving Bainbridge the line will go directly south through Decatur County, Ga., into Gadsden County, Fla., to Quincy.

CHICAGO, MILWAUKEE & ST. PAUL.—It is reported that the Chicago, Milwaukee & St. Paul R. R. Co. has purchased the Montana R. R. and it is said that contracts for the completion of the line will be let as soon as surveys are definitely settled. These contracts will probably be let for distances of from 30 to 40 miles in order to secure early completion of construction work. R. A. Harlow, of Helena, formerly president of company, will supervise construction and W. H. Penfield will be constructing engineer in charge of work westward from Harlowton.

CHICAGO, ROCK ISLAND & PACIFIC.—It is announced that the extension from Little Rock, Ark., the Rock Island, Arkansas & Louisiana will be opened for traffic as far as Fordyce, a distance of about 50 miles, at once. The road is under construction from Haskells, on the Rock Island south of Little Rock, south through a timber region to Crossett, Ark., 107¼ miles, with a branch from Tinsman to Eldorado, 36½ miles. The Arkansas Southern, which has been acquired by the Rock Island and now forms a part of the Rock Island, Arkansas & Louisiana, is completed from Eldorado south to the line of Winn Parish, La., and is to be extended from the latter point to Alexandria, 35 miles, and thence to a connection with the Colorado Southern, New Orleans & Pacific at or near Eunice, La. J. B. Berry, Chicago, is Ch. Engr.

CHICAGO TERMINAL TRANSFER.—We are officially informed by E. N. Layfield, Ch. Engr. of this company, that "this company is about to proceed with the work of elevating the tracks from Canal St. to 45th Ave., a distance of about 5½ miles. The necessary surveys and plans are in progress and the work will be started within a few weeks. There are two main tracks between these points with numerous switching, industrial and yard tracks. The elevated structure is to be built with concrete retaining walls and abutments, sand filling, and with steel structures over the streets. The concrete work and filling will be done by the company under the direction of the chief engineer. The steel work will be let by contract, but no contracts have yet been awarded. John N. Faithorn, formerly Pres. and Gen. Mgr. of the company, has been appointed receiver and has been authorized by the Court to issue receiver's certificates to provide the funds for this work."

Provision is made for the elevation of 57½ miles of road belonging to seven companies, at a cost of $5,070,000 in an ordinance recommended by the track elevation committee to the Chicago City Council. Thirty-four subways are to be provided for. The elimination of the dangerous railroad grade crossings in the Twelfth Ward were also decided upon. The Rock Island and the Western Indiana roads will be elevated from Jeffery Ave. to the 92d St. bridge, the South Chicago road from 83d St. to Chicago Ave., and the Baltimore & Ohio from the state line to Erie Ave. and to 83d St. The roads to be elevated, number of miles, cost and number of subways are as follows: Fort Wayne road, 4.3 miles of main track, 14.3 miles of all track, 19 subways, $1,600,000; Lake Shore & Michigan Southern, 4.5 miles of main track, 11.25 miles of track in all, 19 subways, $1,500,000; Baltimore & Ohio road, 2.33 miles of main track, 3.33 miles of all track, 11 subways, $500,000; South Chicago Railroad, 6 miles of main track, 1.2 miles of all track, 4 subways, $150,000; Chicago & Western Indiana road, 2.5 miles main track, 15 miles of all track, 11 subways, $600,000; Chicago & Eastern Illinois road, $20,000; Chicago, Rock Island & Pacific road, 1.25 miles main track, 3½ miles of all road, 11 subways, $600,000.

DAVIS & TURNER FALLS.—We are officially advised by A. L. Welsh, one of the incorporators, that it is planned to build this road from Davis, Ind. T., to Turner Falls, about seven miles. Right-of-way and capital has been secured. Guy E. McClure, Davis, is Ch. Engr.

DEEPWATER & TIDEWATER.—The construction of this road, which the promoters propose building across the Appalachian Mountains in three years, is being pushed rapidly. The road now is being constructed from both ends, and will meet in the Alleghenies. The track is being ballasted as fast as it is laid, so that when the rails on the two sections come together the road will be about ready for operation. It is being built without the slightest regard to towns or its route, as if the sole object of its promoters was to develop the coal fields in which it originates and in which they are supposed to be very largely interested. Fifty miles of track out of Norfolk have been laid and over 100 miles from Hampton Roads are now ready for the rails. Track-laying machines are being used, which are supposed to lay a mile of track a day. When the present 400 miles of road are completed it is stated an extension will be built to the lakes.

DELAWARE & HUDSON.—Contract has been let by this company to the PACIFIC CONSTRUCTION CO., and sublet to ROGER & QUIRK, for building the first 15 miles of a branch from Rouses Point, N. Y., to Adirondack Junction, Que., on the Canadian Pacific, to enable the D. & H. to reach Montreal over the Canadian Pacific tracks.

ELDORADO & WESSON.—We are officially informed that contract for the grading of this line was let to E. J. SEYMOUR and the pile bridging to PARKS & COVINGTON. The work to be completed by Sept. 15, 1906. Jas. Harrington is Ch. Engr.

GRAND TRUNK PACIFIC.—We are officially advised that the following sub-contracts have been let by J. D. McARTHUR, of Winnipeg, the general contractor for 250 miles of line from Winipeg to the Lake Superior branch: GUY CAMPBELL, Ottawa, Ont., 25 miles; F. W. SMITH, two miles; McDONALD, McQUILLAN CO., Portage la Prairie, 49 miles; J. WARDRUP, 15 miles; E. HERBERT, St. Peters, Man., 20 miles; JAS. V. WELSH, Winnipeg, four miles. The CANADIAN WHITE CO., which has the general contract for 50 miles of the road, has sublet two miles of earth cut and fill to COTTON & OSBORNE, of Saskatoon. FOLEY BROS., of Winnipeg and St. Paul, who have the contract for 244 miles east of Winnipeg, have sublet ten miles of earth fills and cuts to FRANK JACKSON, of Saskatoon. The contract for the Lake Superior branch has been awarded to W. McDONALD, J. STROUGHTON and NEIL BONIC, of Dimmick. B. B. Kelliher, Montreal, Que., is Ch. Engr.

LOUISIANA RAILWAY & NAVIGATION CO.—We are informed that this company expects to have its road extended by September to New Orleans, La. On the completion of this extension the road will extend from Shreveport, La., southeast to New Orleans, 350 miles. At New Orleans the terminal facilities are being rushed to completion. At Water Valley the Mississippi River is crossed by the ferry. D. C. Festermaker, Shreveport, La., is Ch. Engr.

MISSISSIPPI CENTRAL.—The WORTHINGTON CONSTRUCTION CO. has been given a contract for grading on the Mississippi Central between Brookhaven, Miss., and the Homochitto River. E. O. GIBSON is pushing work on a 25-mile grading contract west of Brookhaven. Jos. Archibald, Hattiesburg, Miss., is Ch. Engr.

MISSOURI, KANSAS & TEXAS.—We are officially informed by L. B. Fisher, Ch. Engr. at St. Louis, Mo., that contract for reduction of grades and second track from Junction City, Kans., to Parsons, has been let to PATTON & GIBSON CO. Concrete work will be done by the railway forces.

NATCHEZ & EASTERN.—L. M. DALGARN, of Natchez, has secured the contract for furnishing material and building bridges, also furnishing cross-ties on 30 miles of the Natchez & Eastern R. R. between Natchez and Columbus. J. S. Butterfield, Northfield, Miss., is Pres.

NORTH ARKANSAS.—The North Arkansas Railway Co. was sold at Harrison, Ark., at public sale to Ex-Gov. David R. Francis, of Missouri, acting for the reorganization committee of the company. The road runs from Seligman, Mo., to Leslie, Ark. It is the intention of the new owners to extend the road from Seligman to Joplin, where connection will be made with a number of western lines. It is also the purpose of the reorganization committee to extend the line from Leslie, its eastern terminus, to either Memphis or Helena, where connection will be made with a line to the gulf.

OKLAHOMA, TEXAS & GULF.—This company, just incorporated, has a capital of $7,000,000, and proposes to build a line from Little Rock, Ark., through the Choctaw and Chickasaw Nations, in Ind. Ter., and through Comanche, Kiowa, and Greer Counties, in Oklahoma, to a connection with the Ft. Worth & Denver between Childress and Clarendon, Tex., with a branch southeast from a point in the Chickasaw Nation to Sherman, Tex., and another northwest from a point in Greer County to Erick or Texola, a total distance of 350 miles, at an estimated cost of $25,000 per mile. Headquarters of the road will be at Blair, Okla.; Ardmore, Ind. Ter., and Ft. Worth, Tex. Incorporators: C. A. Huber, of Weatherford, Tex.; F. R. Wildman, of Blair, Okla.; R. K. Wcotten, of Chickasha, Ind. Ter.; L. B. Comer, of Ft. Worth, Tex., and others.

ORGAN MOUNTAIN.—The Organ Mountain R. R. Co. has just been incorporated in Texas, with a capital of $100,000, to build a railroad between El Paso and a mining district in the Organ Mountains of New Mexico, a distance of about 75 miles. Its principal office is El Paso. The incorporators are N. D. Streeter, of Philadelphia; Adriens A. Jones, of Las Vegas, N. Mex.; Harris Walthall, D. Y. Hadley, A. S. Cox, A. M. Walthall, H. W. Fall, W. S. Crombie, Dan M. Jackson, J. W. Eubank, all of El Paso.

SCHENECTADY & SOUTHWESTERN.—The Schenectady & Southwestern Railroad Co. has been incorporated at Albany with a capital of $850,000 to construct a steam road 85 miles long from Margaretville, Delaware County, to Schenectady, with branches, one from Schenectady through Scotia to junction of Boston & Maine and New York Central roads, and the other from Schenectady to Rotterdam Junction. The directors are Frederick J. Whan, Frederick V. Wishert, Edward J. Welch, George P. Fall, J. Stuart Tompkins, M. Casewell Hein, George S. Fulton of New York City, A. S. Brown of Brooklyn, and George S. Hilton of Paterson, N. J.

SOUTHERN PACIFIC.—Work is to be started at once on a new line from Drain on the Mount Shasta route in Oregon southwest to Marshfield on Coos Bay, about 80 miles. The proposed line is to form the northern portion of a new coast line between San Francisco and Portland.

A contract is reported let by this company to HEMINGWAY & BOWLES, of Memphis, Tenn., for grading a new railroad to leave the main line at New Iberia, La. The work will cost about $150,000.

TREMONT & GULF.—See under Tremont, La., Miscellaneous.

VALDEZ-YUKON.—A. W. Swanitz, Seattle, Wash., Ch. Engr. of Construction of the Valdez-Yukon Ry. Co., will let the contract there for twenty miles of rails, construction trains and other material to be shipped to Valdez during the present season within a short time. Mr. Swanitz states that there are 200 men at work on the grading and rock work near Valdez at this time, and the force is to be increased as fast as the additional men can be secured. The dock at Valdez, which is a part of the property of the railway company, has been completed.

VANDALIA.—The contract for bridge building and grading for the Vandalia R. R. Co., between Terre Haute and Harmony, Ind., a distance of about seventeen miles, has been let to JONES BROS., of Columbus, Ohio, at about $300,000.

VIRGINIA & SOUTHWESTERN.—E. S. Frazer, of Bristol, Tenn., Ch. Engr. of this road, informs us that contract has been let to the CALLAHAN CONSTRUCTION CO., of Knoxville, Tenn., for building 38 miles of railway from Moccasin Gap to Persia, Tenn., through the Holston River valley. He states that 20 miles of the work will be light, and 18 miles heavy mountain work.

WESTERN MARYLAND.—The CHESAPEAKE CONTRACTING CO., of Baltimore, has been awarded a contract by the Western Maryland R. R. Co. for the laying of a second track from Arlington to Owings Mills. This company is now double-tracking the section between Walbrook and Arlington. The Western Maryland has not yet let a contract for the double-tracking of the line between Owings Mills and Emory Grove. H. R. Pratt, Baltimore, is Engr.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

MANCHESTER, N. H.—The Manchester Traction Co. has acquired control of the Goffe's Falls, Lichfield & Hudson Street Ry. Co. and will rush work on the interurban line from Manchester to Nashua. W. A. Tucker, of Boston, is Pres. and J. Brodie Smith, of Manchester, Gen. Mgr.

PITTSFIELD, MASS.—The Berkshire Street Ry. Co. is to be extended to Canaan, Conn. Engineers will begin work on the proposed extension, 12 miles, within a few days. This is part of the construction work planned by the Consolidated Ry. Co., of New Haven, which controls the Berkshire Street Ry. Co. Preliminary steps have been taken toward the construction of an interstate trolley line between Canaan, Conn., and Great Barrington, Mass. The Consolidated Ry. Co. has a corps of engineers making surveys for a street railway running from Great Barrington south through Sheffield and Ashley Falls to the Connecticut boundary. If the road is built it will be an extension of the Berkshire line. It will probably operate in conjunction with the Canaan & Berkshire Tramway Co., which holds a Connecticut franchise to build a street railway south from the Massachusetts border. The incorporators are Samuel A. Eddy and J. Henry Roraba[illegible] Canaan, and H. Dwight Sisson, [illegible] North Marlborough, Mass. C. S. Mellen, N[illegible]en, is Pres. Henry Gough, Pittsfield, [illegible] Engr. of the Berkshire line.

OLEAN, N. Y.—The Olean Str[illegible] Co. has decided to extend its line [illegible]gany to East Salamanca. Work will [illegible] within the next 15 days. I. W. Mill[illegible] is Gen. Mgr. and Supt.

NEW YORK, N. Y.—The Gra[illegible] permitting the Manhattan Elevated [illegible] Co. to depress its tracks in Division [illegible]ween Chrystie and Allen Sts., has be[illegible]d by Gov. Higgins. The cost is to b[illegible]y the city. When the plans for the [illegible]h to the Manhattan Bridge were comp[illegible] was found that the grade would in[illegible] with the elevated road. Either the [illegible] would have to be changed or the road [illegible]ed to pass under the approach.

Herman A. Metz, Controller, [illegible]o. S. Rice, representing the Rapid Tr[illegible]omn., and Borough Presidents McGowan [illegible] Coler, representing the Board of Est[illegible] have agreed on the advantage of a loop [illegible]ead of the stub terminal that was laid [illegible] by the Rapid Transit Commissioners, fo[illegible] Bensonhurst, Bath Beach and Coney I[illegible]d subway. The loop will be under S[illegible]well and Surf Aves. This plan will be rep[illegible] back and will be approved by the Ra[illegible] Transit Commission and the Board of E[illegible]mate at the earliest possible date.

PITTSBURG, PA.—We are ad[illegible] that the Pittsburg, Connellsville & M[illegible]Keesport Ry. Co. has completed surveys a[illegible] secured right-of-way for an interurban line [illegible] miles long, to extend from Lacterone to Masontown, Pa. Contracts have been awarded to the Bessemer Contracting & Ba[illegible] Co., of Pittsburg, for all work, including five bridges.

WILMINGTON, DEL.—The Street and Sewer Department is stated to have granted the Wilmington & Edge Moore Ry. Co. permission to build lines on Vandever Ave., Claymont, Bowers, 27th, 30th, Eastlawn Ave., Todd's Lane and other streets in the Ninth Ward.

MARTINSBURG, W. VA.—We are officially advised by Jas. F. Thompson, V.-Pres., that the Martinsburg Electric Co. will award contracts within 90 days for the construction of its line, 80 miles long, from Martinsburg to Harper's Ferry, via Charleston.

ATLANTA, GA.—Application has been made to the City Council by the Atlanta, Griffin & Macon Electric Ry. Co., to build into Atlanta streets now occupied by the Georgia Ry. & Electric Co. The petition asks for the right to enter the city at the south end of Capitol Ave. and to run a double track along Capitol Ave., Little St., Rawson to Crew; a single track from the corner of Capitol Ave. and Little St., on Little, Crew and Rawson Sts., there to join the double track; then from Rawson to Trinity Ave. with double track, along Trinity Ave. and Washington St. to proposed viaduct, to cross the viaduct to Gilmer St., on Gilmer St., Ivy, Exchange Place and to Pryor St. to the terminus. The plan of the company is to build from Atlanta to Hapeville, Forest Park, Jonesboro, Hampton, Griffin, Forsyth and Macon, the total length being a little over 100 miles. The projectors say that they will probably select a route in the country districts through private land rather than on the public roads, as that will give a more direct route. N. B. Drewery, W. J. Massee, Minton Wimberly, J. T. Moore, N. P. Pratt, Clifford L. Anderson and W. A. Wimbush, of Atlanta, are interested.

ENSLEY, ALA.—We are advised that right-of-way has been secured and capital obtained for the construction of the Ensley Street Ry. Co.'s line from Pratt City to Whitfield, 13½ miles. A. B. Andrews, Raleigh, N. C., is Pres. E. M. Durham, Birmingham, is Engr.

VICKSBURG, MISS.—It is stated that it is the intention of Houston Bros., of Vicksburg, to run an electric railway from Vicksburg to Redwood, ten miles north.

YAZOO CITY, MISS.—Kirkpatrick & Johnson, Engrs. Jackson, Miss., have been engaged to supervise construction of a municipal electric railway, bonds for which are to be sold by E. J. Poursine, City Clk. Engines, electric equipment, cars and track material will be wanted.

MEMPHIS, TENN.—We are officially advised by H. E. Croft, V.-Pres., that contracts will be let during the next six weeks for the construction of the Lake View Traction Co.'s line from Memphis, Tenn., to Clarksdale, Miss. Thomas Taggart, French Lick, Ind., is Pres.

SHELBYVILLE, KY.—We are officially informed by Luther H. Leber, Eminence, Ky., Gen. Mgr. of the Shelbyville & Ohio River Electric R. R. Co., that contract has been awarded and 12 miles of the road from Shelbyville to Milton, Ky., is graded. Total length of road, 52 miles. Contracts for equipment will be let in about three weeks.

PORTSMOUTH, OHIO.—The Portsmouth Street Ry. & Light Co. has placed a contract with SAMUEL MONROE & SON for building an extension of its line from Third and Chillicothe Sts. east to connect with the main line at Kendall Ave., thus forming a new belt line in Portsmouth. Geo. A. Youngman is Ch. Engr.

STEUBENVILLE, OHIO.—The lines and plant of the Steubenville Traction & Light Co., extending from Steubenville to Empire, have been sold to the Ely Railway syndicate, which will spend several millions, double tracking and improving the system. The line will be part of the double track system from here to Beaver, Pa.

INDIANAPOLIS, IND.—It is reported that the Indianapolis Traction & Terminal Co. will build a second track on Roosevelt Ave., from 13th to 18th Sts. R. T. Todd is Gen. Mgr.

CHANUTE KANS.—We are officially advised by R. C. Rawlings, Pres. of the Southern Kansas Ry., Light & Power Co., that surveys have been completed and right-of-way nearly secured for the construction of

this line from Chanute, through Parsons, Columbus, Galena, Cherryvale, Independence and Coffeyville, Kans., to Carthage, Mo. The road is to be 175 miles long, and capital has been secured. Contracts will be let in about 45 days. J. W. T. Stephens, 303 Cotton Exchange Bldg., New Orleans, La., is Ch. Engr. and E. H. Abadie & Co., of St. Louis, Mo., Consult. Engrs.

PARSONS, KANS.—We are officially informed that right-of-way is being obtained and capital has been secured for the construction of the Kansas Union Traction Co.'s line from Parsons, via Altamont and Edna, to Coffeyville, Kans. C. N. Petty, Altamont, is Pres.

COLORADO SPRINGS, COLO.—The Colorado Springs & Interurban Ry. Co. is stated to have decided to extend the line on Wahsatch Ave., Kiowa and Institute Sts., Platte Ave. and Boulder St. to the city limits. B. M. Lathrop, 520 S. Tejon St., is Supt.

PORTLAND, ORE.—Surveyors of the Portland Ry. Co. have started on survey for the final location of the proposed extension from Portland Heights terminus to Council Crest. Work will be completed in about a week and construction of the road will commence as soon thereafter as possible. F. I. Fuller is Pres. and Gen. Mgr.

SAN FRANCISCO, CAL.—According to reports received by the United Railways Investment Co., which controls the San Francisco traction lines, more than 2,000 men are now employed on reconstruction work. The company has secured a franchise for electric lines in place of the old cable franchises, and the road will be equipped with overhead trolley wires as rapidly as possible. Less than 101 cars out of a total of 1,000 were destroyed by the fire. The total losses are now estimated at $1,250,000. Earnings from the portion of the road in operation are sufficient now to meet the fixed charges and one-half the preferred dividend requirements.

SAN JOSE, CAL.—L. E. Hanchett, Pres. of the San Jose & Santa Clara R. R. Co., recently incorporated, writes us that the company proposes to reconstruct a line from Santa Clara to San Jose, 15 miles, and build a new line, 14 miles long, from San Jose to Alum Rock Park. Contracts for material will be let shortly.

ST. CATHERINES, ONT.—We are officially informed by E. F. Seixas, Gen. Mgr. of the Niagara, St. Catherines & Toronto Ry. Co., that the following contracts for replacing wooden trestles have been awarded: JOS. BATTLE, Thorold, Ont., for building of such concrete piers and abutments as are necessary; the CANADA FOUNDRY CO., Toronto, for such steel work, including bridges, as will be necessary; JOS. BATTLE also has the contract for earth fills. The company is relaying its main line with 80-lb. rails, purchased from the DOMINION IRON & STEEL CO. of Sydney, B. C.

WINDSOR, ONT.—Contract for the construction of the Windsor, Essex & Lake Shore Rapid Ry. Co., from Windsor to Chatham, via Kingsville and Leamington, has been awarded to the KEYSTONE CONSTRUCTION CO., of Philadelphia, Pa.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

LEBANON, N. H.—The local electric light plant is to be entirely rebuilt and remodeled, and when completed will be a modern station in every respect.

QUINCY, MASS.—The gas plant at Quincy has been purchased by the Boston Consolidated Gas Co. It will have a new set of gas mains costing $200,000, the sizes running from 4 to 12 ins. The new management has decided to abandon the old gas mains.

MIDDLETOWN, CONN.—The RHODE ISLAND CONTRACT ENGINEERING CO., Providence, R. I., has secured the contract for complete installation of the plant of the Salmon River Power Co., and will purchase contractors' equipments. Cost of work proposed, $500,000.

CENTERVILLE STATION, N. Y.—The Centerville Lighting Co. has been incorporated with a capital of $100,000. Its object is to do electric lighting, etc. S. W. Lubow, I. D. Wolf and others are the incorporators.

OVID, N. Y.—A power plant to be built on Taughannock Creek is to furnish electricity for light and heat to Ovid, Sheldrake and Interlaken.

DOLGEVILLE, N. Y.—Bids are asked until June 12, by Thomas George, Village Clk., for constructing a concrete block building, 82 × 37 ft., with reinforced concrete floor and roof, to be used as a municipal power station. Chas. E. Collins is Engr., Dolgeville.

POKOMOKE CITY, MD.—The Stevenson Electric Light Co. is having plans prepared for additions to its plant. New equipment will be installed.

WASHINGTON, D. C.—We are officially informed that the only bids received on May 29 by the Bureau of Supplies and Accounts, Navy Dept., on Schedule No. 544, were those of General Electric Co.; Class 21 $6,448, Class 22 $5,976, Class 23 $18,224.

MAJORSVILLE, W. VA.—The Virginia Oil & Gas Co. is arranging to extend its gas main from Majorsville to Video, Green County, where it has a station.

NINETY-SIX, S. C.—The erection of an electric light plant is contemplated. Dr. W. H. Holland is interested in the project.

ACKERMAN, MISS. — EUGENE CAMPBELL, of Oxford, has contract to install an electric lighting and water-works plant at Ackerman.

DANVILLE, KY.—We are officially advised that contract for installing electricity in the Kentucky School for the Deaf has been awarded to E. B. NELSON, Danville. Augustus Rogers is Supt.

GEORGETOWN, OHIO.—The Board of Public Affairs, T. W. Weaver, Pres., contemplates constructing an electric lighting plant. George Horning is Engr., Johnston Bldg., Cincinnati.

PADUCAH, KY.—The Paducah Council has voted $20,000 to repair the electric light plant, pending a settlement of the municipal ownership question.

LAPORTE, IND.—The Laporte Gas Light Co. has decided to extend its system of mains on Lake St., from Tyler St. east to Madison St., and north on Madison St. to the Pere Marquette tracks.

MENOMINEE, MICH.—The plans for the new plant of the electrical company are now completed and the architect is advertising for bids for the superstructure.

FLINT, MICH.—The KERR-MURRAY MFG. CO., of Fort Wayne, Ind., has secured contracts at Flint, Mich.; Sheboygan, Wis., and St. Cloud, Minn., for installation of complete electrical plants.

CHICAGO, ILL.—We are officially informed that the Pere Marquette Light & Power Co. is asking for bids for turbine water wheels and 80 miles of wire to carry 80,000 volts from its plant, on Pere Marquette River, for lighting and power purposes; also for switchboards, transformers, etc. L. J. Highland, First National Bank Bldg., Chicago, is Engr.

JOLIET, ILL.—A water power plant capable of developing about 20,000 HP. will be constructed about three miles southwest of Joliet by the Drainage Board. R. R. McCormick, Pres. Cost, $2,000,000.

GALESBURG, ILL. — The GALESBURG RY. & LIGHT CO. has contract to furnish gas to the city of Galesburg at the rate of $1.25 per thousand cu. ft. H. E. Chubbuck is Mgr.

WATERLOO, IOWA.—C. H. MERRILL has been awarded the contract for erection of a lighting station, which the Waterloo & Cedar Falls Gas & Electric Light Co. will build to replace the one destroyed by fire.

DULUTH, MINN.—The contract for installing an electric pump, at the Lakewood station, has been awarded to the GENERAL ELECTRIC CO. at $16,000. The GREAT NORTHERN POWER CO. has the contract to supply power at $5.50 for every million gallons pumped.

LINCOLN, NEB.—OLSON & LAWRENCE, Lincoln, have secured the contract for construction of a light and power plant at the State University.

WILLISTON, N. DAK.—Bids are asked until 10 a. m., June 9, by the U. S. Reclamation Service for electric pumping plants and transmission apparatus, to be located near Williston. H. A. Storrs is Elec. Engr.; E. A. Hitchcock is Secy. (Advertised Engineering News.)

EUREKA SPRINGS, ARK.—G. N. Matthews and C. M. Barnes will erect a power plant on King's River, 9 miles from here, to generate electricity for transmission to Eureka Springs and Berryville.

GOTEBO, OKLA.—The Gotebo Oil, Gas & Pressed Brick Co., of Gotebo, has been chartered; capital, $100,000. The directors are Charles A. Huber, Weatherford, Jos. Huber, F. R. Wildman and Will McCoy, of Blair, and W. H. Kuder, of Gotebo.

MUSKOGEE, IND. T.—SAM BROWN, H. ROSECRANTS, and others, have contract to build a dam and water power plant on the Grand River, ten miles from here. The plant will furnish 10,000 HP. and will cost about $1,000,000.

TISHOMINGO, IND. T.—We are officially advised that water power developments are being planned by H. von Schon, of Detroit, Mich., on the Blue and Pennington Rivers, in behalf of the Pennington Water Power Co. Stephen B. Treadwell is Secretary.

TAHLEQUAH, IND. T.—We are officially informed that water power is to be developed on the Illinois River, near this town. H. von Schon, of Detroit, Mich., has made examination and is preparing report. Frank R. Lewis, of Tahlequah, is Pres.

SPOKANE, WASH.—If a sufficient number will guarantee to purchase gas the Spokane Falls Gas Light Co. will extend its mains about 7,000 ft. to Liberty Park. Charles McIntyre is City Engr.

OLYMPIA, WASH.—The City Council has granted a franchise to M. F. Kincaid and associates for 50 years for light and power system. Lighting and heating system is to be installed in the business sections of Olympia. Seventy-five thousand dollars has been raised for construction of the plant. J. B. Weddell is City Engr.

PORTLAND, ORE.—Articles of incorporation have been filed for the Standard Electric Co., with a capital of $15,000. The incorporators are John C. Baird, Frank E. Harmer and Fred A. Waltz.

LAS VEGAS, NEV.—Engineers, reported to be representing Denver capital, are at work in the upper canyons of the Colorado River, where it flows through the southern part of Lincoln County, making surveys for several power sites, where large electric generating stations are to be built.

SALT LAKE CITY, UTAH.—Utah Gas & Coke Co. awarded a contract for laying 55 miles of gas mains to the contracting firm, HANLEY & RITCHIE, of Salt Lake City.

MERIDIAN, IDAHO.—A $50,000 light and water plant is to be built at Meridian in the near future by S. H. Bell and Mr. Hewitt, Tacoma, Wash. A franchise has been granted by the town of Meridian which calls for the completion of the work and the furnishing of lights within eight months.

ROSWELL, N. MEX.—BEAL & McGILVRAY, of Los Angeles, Cal., have been awarded a contract to install a municipal gas plant at Roswell.

EUGENIA, ONT.—ROWAN & ELLIOTT, of St. Catherines, Ont., have the contract for the tunnel construction in connection with the proposed power plant of the Georgian Bay Power Co. Other contracts, bids for which will be called for shortly, include 3,500 ft. of pressure pipe, dam, embankment and power house construction. H. von Schon, of Detroit, Mich., is Engr.

PETERBORO, ONT.—The Canadian General Electric Co. is reported to have plans for enlarging its plant at Peterboro, at a cost of $400,000.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—We are advised that the following bids were received, on May 24, by James W. Stevenson, Comr. of Bridges, for construction of a bridge over Dutch Kills, at Borden Ave., Boro. of Bronx: Degnon Contracting Co., 21 Park Row, $156,222; Cooper & Evans Co., 220 Broadway, $156,732; Snare & Triest, 143 Liberty St., $171,978. Northeastern Construction Co., Fuller Bldg., $169,281; Charles Meads Co., 299 Broadway, $188,920; J. H. Grey & Co., Long Island City, $206,720.

DURHAMVILLE, N. Y.—Gov. Higgins has signed a bill appropriating $76,000 for an aqueduct or culvert in place of the existing double-arch culvert for the passage of the waters of Oneida Creek, under the Erie Canal, at Durhamville, on the line between the counties of Madison and Oneida.

NIAGARA FALLS.—At a recent meeting of the Board of Public Works contracts were awarded for the construction of bridges over the hydraulic canal. The contract for the construction of the bridge at Third St. was awarded to WILLIAM S. HUMBERT, of this city, at $49,063; the NEW JERSEY-WEST VIRGINIA BRIDGE CO., of New York, was awarded the contract for the Erie Ave. bridge, at $34,338, and the contract for the Fourth St. bridge was awarded to the BUFFALO STRUCTURAL STEEL CO., at $5,452. W. W. Read is City Engr.

The papers incorporating the Niagara Frontier Bridge Co. and the Trans-Niagara Bridge Co. have been signed by the Governor. The Niagara Frontier Bridge Co. is made up of Niagara Falls capitalists, and the others interested in the control of the International Ry. Co. It is intended by the company to construct a steel bridge across Niagara River below the Falls. Work on the bridge is expected to begin without delay.

HIGH BRIDGE, N. J.—ISAAC N. HOFFMAN, of East High Bridge, has been awarded the contract, by the County Board of Freeholders, for building the proposed bridge on High St. The bridge will be 38 ft. wide with two wing walls on the east side.

POTTSTOWN, PA.—The County Commissioners have been petitioned to construct a new bridge over the Manatawney Creek. The petition was granted and a bridge to cost about $24,000 will be erected.

BUTLER, PA.—The County Commissioners have granted to the PENNSYLVANIA CONSTRUCTION CO., of Pittsburg, contract to build a bridge over Buffalo Creek, at $7,600.

PHILADELPHIA, PA.—We are officially advised that REILLY & RIDDLE, 520 Perry Bldg., Philadelphia, have the contract for erecting a concrete arch bridge, on rock foundation, over Wissahickon Creek, at Walnut Lane, at $253,551. H. H. Quimby is Engr. of Bridges, Bureau of Supplies.

HOMESTEAD, PA.—We are officially advised that the contract for building the superstructure of a 3-span bridge over the Monongahela River, for the Union R. R., as noted in last issue, has been let to the AMERICAN BRIDGE CO., at $60,000. The contract for three new piers has not yet been awarded. E. J. Randall is Engr. of Maintenance of Way, Port Perry, Pa.

WILMINGTON, DEL.—Bids are asked until 1.30 p. m., June 11, by the Water Department, Theodore A. Leisen, Ch. Engr., for erecting a concrete steel bridge over Brandywine Creek at Van Buren St. (Advertised Engineering News.)

WASHINGTON, D. C.—Bids are asked until June 16, by B. F. Macfarland, Comr., for constructing four concrete steel bridges.

GADSDEN, ALA.—The Louisville & Nashville Ry. Co. will construct a new steel bridge across the Coosa River.

LABADIEVILLE, LA.—The St. Philomena Bridge Co., Ltd., has been organized, with $18,000 capital, to build an iron bridge across Bayou Lafourche near Labadieville.

BERRY, KY.—The CHAMPION BRIDGE CO., of Wilmington, Ohio, has been awarded contract to build a stone bridge at Berry, at $4,000.

MARION, OHIO.—The Cleveland, Cincinnati, Chicago & St. Louis Ry. Co. will erect a steel bridge over the Scioto River, at Marion. W. M. Duane is Ch. Engr.; O. E. Selley is Bridge Engr.

DAYTON, OHIO.—The Council has passed an ordinance granting the Majestic Amusement Co. the right to construct a bridge across the Miami River at the head of Helena St.

CINCINNATI, OHIO.—We are officially advised that contract for superstructure for the elevated tracks of the Pennsylvania R. R. has been let to the PITTSBURG BRIDGE CO. Other work is not yet decided upon.

TOLEDO, OHIO.—Bids will soon be asked, by the County Commissioners, for building a steel highway and electric railway bridge 60 ft. wide, to replace the present structure over Ten Mile Creek, at Detroit Ave. Frank I. Consaul is Ch. Engr. Bd. Pub. Service.

MICHIGAN CITY, IND.—The plans prepared by H. M. Miles, City Engr., for a bascule bridge, to be erected over the harbor at Franklin St., has been placed before the County Commissioners, who, it is reported, will soon advertise for bids for the construction.

COLUMBIA CITY, IND.—Bids are asked until noon, June 22, by the Commissioners of Whitley County, for constructing concrete culverts, steel bridges and stone and concrete abutments.

VINCENNES, IND.—Bids are asked until 2 p. m., June 8, by the Commissioners of Knox County, for a concrete arch on the Vincennes and Terre Haute Road.

GRAND RAPIDS, MICH.—L. W. Anderson, City Engr., has begun surveys for a new bridge at this city. The bridge will be constructed of steel on concrete and stone piers, and will be designed along the lines of the Wealthy Ave. bridge.

PORTLAND, IND.—Bids are asked until June 10, by the Commissioners of Jay County, for construction of two bridges, in Sections 3 and 10.

DETROIT, MICH.—The People's Street Ry. Co. is seeking a franchise to operate lines here. It is the intention to build a bridge to cost about $400,000, from Jefferson Ave., near the water-works, to the head of Belle Isle. W. H. Underwood and LeGrand Brown, of Rochester, N. Y., are interested.

CHICAGO, ILL.—Michael Conealy, Ch. Engr. of the Metropolitan Elevated Co., Royal Insurance Bldg., 167 Jackson Boulevard, is about to let contracts for a substation to be built at Robey St. and North Ave. It will be one story, 119 × 95 ft., have pressed brick front and tile roof. The same engineer is about to let contracts for a similar substation to be built at 45th Court under the elevated road.

URBANA, ILL.—Bids are asked until June 13, at the County Court House, for erection of a highway bridge 60 ft. long and 14 ft. wide, to be placed on 111 cu. yds of concrete.

NASHOTAH, WIS.—Plans have been made, by the Chicago, Milwaukee & St. Paul Ry., for the immediate construction of a viaduct over the tracks of the company. D. J. Whittemore, Chicago, is Ch. Engr.; C. F. Loweth, Chicago, is Engr. Bridges.

SEYMORE, WIS.—Bids are asked until June 11, by J. H. Hayes, 844 Fifth St., Appleton, Wis., for constructing a steel arch bridge at Seymore.

PARKERSBURG, IOWA.—N. Phillips has been engaged by the Chicago & Northwestern Ry. Co. to survey for the new steel bridge, which they will erect near here. I. F. Stern is Engr. Bridges.

VALLEY CENTER, KANS.—A modern steel bridge 270 ft. long is to be built across the Little Arkansas River, two miles west of Valley Center. The contract was let to the CANTON BRIDGE CO., Wichita, at $4,900.

HELENA, MONT.—Bids are asked until June 18, by the Clerk of Lewis County, for constructing a tubular bridge 550 ft. long over the Missouri River, near Trout Creek.

PINE BLUFF, ARK.—We are officially advised that preliminary surveys are being made by W. P. Stebbins, for the Bridge Commissioners, for a combined highway and railroad bridge to be built over the Arkansas River at this city. W. J. Parkes is City Engr.

LITTLE ROCK, ARK.—THE OTTUMWA BRIDGE CO. has been awarded a contract for constructing a steel bridge and concrete viaduct at Argenta, a suburb of Little Rock, Ark., at $37,500.

SEATTLE, WASH.—Bids are asked until June 14 by the Board of County Commissioners for construction of a drawbridge over White River, at Renton Junction, to cost approximately $10,000.

OAKLAND, CAL.—Bids are asked until June 14, by John B. Cook, Clk. Bd. Supvrs., for construction of a bridge over Cottonwood Creek.

FERNDALE, CAL.—The Trustees have directed that wings be constructed to the bridge over Francis Creek, on Ocean Ave., to repair damage done by last winter's high water. The old bridge across the creek on Shaw Ave. will be replaced with a new one, to be of concrete.

EUREKA, CAL.—Bids are asked until June 11, by the Board of Supervisors of Humboldt County, for erection of a steel highway bridge over the Freshwater, five miles from this city. W. H. Haw is Clk.

SAN DIEGO, CAL.—A resolution has been passed authorizing the construction of a new bridge over the Rose Canon.

ST. ANNE'S, QUE.—The Canadian Pacific is to rebuild the bridge over the Ottawa River at this village.

BRANTFORD, ONT.—The City and Grand Trunk Ry. Co. are to jointly build a combined railroad and highway bridge over the Grand River.

The Grand Trunk Ry. Co. will build a bridge over its tracks at Emerald St. There will be one 56-ft. and two 37-ft. spans.

WELLAND, ONT.—The CANADA FOUNDRY CO., of Toronto, has been awarded the contract for bridge material for all permanent bridges to replace wooden bridges and trestles on the line of the Niagara, St. Catherines & Toronto Ry., also for all bridge material for that company's new extension from Thorold to Welland and Fonthill.

WINNIPEG, MAN.—H. N. Ruttan, City Engr., estimates the overhead bridge to be built over the Canadian Pacific tracks will cost $170,000. C. N. Monsarrat, Montreal, is Engr. of Bridges; F. F. Busted, Winnipeg, is Asst. Ch. Engr. Western lines.

LETHBRIDGE, ALB.—The Canadian Pacific Ry. has plans for a high level bridge to be built here at a cost of $1,000,000. F. F. Busted is Ch. Engr. for lines west of Winnipeg, Man.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

DURHAM, N. H.—Bids are asked until June 9, by the Building Committee of the Board of Trustees of New Hampshire College of Agriculture and Mechanic Arts, for the erection of a library building. John G. Tollant is Chn.

MALDEN, MASS.—The Board of Aldermen has unanimously passed an order providing for the borrowing of $200,000 for the erection of an addition to the high school building, and $30,000 for the purchase of land for the building.

BOSTON, MASS.—Bids are asked until June 12, by Capt. Geo. L. Gooddale, Q. M., Boston, for the construction, plumbing, heating, electric wiring and bowling alleys of brick Post Exchange and Gymnasium Buildings at Fort Andrews, Boston Harbor, and Fort Banks, Winthrop, Mass.

SPRINGFIELD, MASS.—Kirby, Petit & Green, Archs., 21 West 34th St., New York, have completed plans for building for the Highland Baptist Church, to cost about $60,000. M. A. Maynard is Chn. Bldg. Com.

POUGHKEEPSIE, N. Y.—Bids are asked until 3 p. m., June 20, by the State Commission in Lunacy, the Capitol, Albany, for constructing and equipping a Chronic Building at the Hudson River State Hospital, Poughkeepsie. T. E. McGarr is Secy. of Comn. (Advertised Engineering News.)

ROCHESTER, N. Y.—Bids are asked until 3 p. m., June 20, for constructing and equipping a superintendent's residence and industrial building for the Rochester State Hospital. T. E. McGarr is Secy. State Comn. in Lunacy. (Advertised Engineering News.)

NIAGARA FALLS, N. Y.—Bids will be opened on June 9 for erecting a Masonic Temple at Walnut Ave. and Main St. Jas. R. White, Crick Bldg., is Arch.

ALBANY, N. Y.—Governor Higgins has approved the appropriations bill which provides $4,000,000 for a State Library.

SYRACUSE, N. Y.—Plans have been completed for a reinforced concrete storehouse which Robert Flagg will erect here this summer at a cost of about $60,000. It will be 75 x 100 ft., five stories high.

NEW YORK, N. Y.—Bids are asked until June 11 by C. B. J. Snyder, Supt. School Bldgs., for installing, ventilating and heating system in new school 65; also removal and construction of water closets at School 161, both in Boro. Manhattan; also for alterations to School 42, Arverne, Boro. Queens.

Bids are asked until June 12, by John H. O'Brien, Fire Comr., for furnishing material and erecting a new building for a hook and ladder company on 63d St., Boro. Manhattan.

The Board of Estimate has passed a resolution appropriating $250,000 for a new Queens County court house.

Samuel Sass, Arch., 23 Park Row, has prepared plans for the erection of a 12-story building to be erected, at a cost of $350,000, for the Master Builders' Realty Co., at 10 and 14 East 12th St.

By an exchange of deeds between the City and the United States Realty & Improvement Co., relative to the closing of Thames and Temple Sts., and the opening of a larger Thames St., the last barrier in the way of the erection of the new Boreel building and the Trinity addition was removed. The twin structures, which, when completed, will represent an investment of $15,000,000, will be the most ornate and commodious office buildings in the world. The present Trinity building will be enlarged to a width of 69 ft. on Broadway and 74 ft. on Trinity Place, while the new Boreel building, which will rise to a height of 21 stories, will be similar architecturally and in equipment as the Trinity, excepting that a tower and dome three stories in height will rise over the Broadway frontage of the Trinity building.

Napoleon Le Brun & Sons, Archs., 1 Madison Ave., have completed plans for the new tower which will be built by the Metropolitan Life Insurance Co., at 24th St. and Madison Ave. Cost is to be $1,500,000. This building will be 700 ft. high, the tallest in New York.

Harde & Short, Archs., 5 West 29th St., are preparing plans for a 10-story apartment house to be erected at Madison Ave. and 66th St., at a cost of about $1,000,000.

The following bids were received by C. B. J. Snyder, Supt. School Bldgs., on June 4, for the erection of a parental school at Flushing, Borough of Queens. Separate bids for items 1 and 2; (a) item 1, (b) item 2: P. Sullivan, 230 Grand St., (a) $412,000, (b) $34,000; C. H. Peckworth, 415 Hudson St., (a) $412,770; R. E. Heningham, 1 Madison Ave., (a) $417,712, (b) $48,465; Thos. Cockerill & Son, 147 Columbus Ave., (a) $414,000; P. T. Brennan & Son, Fuller Bldg., (a) $449,000; P. Cleary, 235 Bainbridge St., Brooklyn, (a) $422,749; Geo. Hildebrand, 38 Park Row, (a) $424,800, (b) $44,800; Jas. MacArthur (a) $447,771, (b) $38,593; Thos. Touhy & Co., Flushing, L. I., (b) $39,625; Pease Bros., Flushing, L. I., (b) $46,000; A. G. Vermilye, 463 West 144th St., New York, (b) $32,000.

TRENTON, N. J.—Bids are asked until June 11, by Samuel H. Bullock, Chmn. Bd. of Education, for erecting a 30-room brick school on Tyler St. Harry A. Hill, 40 East State St., is Arch.

LEWIS LAWTON & SON, of Trenton, have secured the contract to erect an addition wing to the State House, at $82,997.

HIGHLANDS, N. J.—Bids are asked until June 14, by Lieut. Paterson, Constr. Q. M., for the erection of brick quarters at Fort Hancock. Plans, specifications and blank proposals are on file at office of Engineering News, New York.

SWARTHMORE, PA.—CRAMP & CO., Commonwealth Bldg., Philadelphia, have been awarded the contract to build a 2-story library, 50 × 100 ft., of brick, stone and steel, for Swarthmore College.

HARRISBURG, PA.—It is reported that the Anheuser-Busch Brewing Co. is preparing to erect a $500,000 hotel here.

WILLIAMSPORT, PA.—Contract for a 2-story addition, fireproof, 80 × 60 ft., to the Williamsport City Hospital, has been awarded to BENNETT & WOODNUT, Masonic Temple, Williamsport.

JOHNSTOWN, PA.—Charles Bickel, Arch., 524 Penn Ave., Pittsburg, has let the contract to WILLIAM H. SMITH & BRO., Johnstown, Pa., for a 4-story white enameled terra cotta front mercantile building in Main St., for M. Nathan, to cost $100,000.

W. G. Eckles, Arch., New Castle, Pa., is preparing plans for three 3-story schools for the Board of Education. Contracts to be let about June 20.

PITTSBURG, PA.—The contract to erect a $100,000 church for the Third United Presbyterian congregation at Northumberland St. and Shady Ave., has been awarded to F. H. FULMER.

The Fort Pitt Hotel will be enlarged during the summer by the addition of two new stories. The first of these will contain sleeping rooms, and on the tenth floor will be a banquet hall and dining rooms. Although the contract has not yet been let it is proposed to begin work during June. The improvement is to cost $200,000.

PHILADELPHIA, PA.—Carl P. Berger, Arch., 603 South Penn Sq. Bldg., has completed plans for a 2-story banking building for the Northwestern Trust Co., at 23d St. and Columbia Ave. It will be 50 × 50 × 84 ft., of white marble, with brownstone trimmings. The cost will be about $85,000.

Bids will be due in a few days for a 6-story addition to the Union League Club building, for which $500,000 has been appropriated. The new building will extend back to within 80 ft. of 15th St.

Plans have been filed for the Chas. W. Henry Public School, which is to be a 3-story and basement structure of brick and stone, to be erected at Greene and Carpenter Sts., Germantown. J. Horace Cook is Bd. of Education Arch.

P. J. HURLEY has been awarded the contract to erect a 3-story stone parsonage, 16 × 50 ft., a church, 57 × 106 ft., and a Sunday school building, 55 × 70 ft., for the All Saints Lutheran Church, at Germantown Ave. and Cayuga St., at a total cost of $54,450.

BALTIMORE, MD.—NORCROSS BROS. CO., Worcester, Mass., have been awarded the contract for a bank building for the Metropolitan Savings Bank, at Charles and Saratoga Sts., at about $200,000.

William A. Marburg will erect a residence, to cost $100,000, on the site of his present dwelling, at 6 East Eager St.

Plans are being prepared by Simonson & Pietsch, Archs., for a car barn to be erected by the United Railways & Electric Co., to replace the one that was destroyed at Waverly recently. A new site has been obtained on the York Road, near Govanstown.

WASHINGTON, D. C.—The BRENNAN CONSTRUCTION CO., foot of 31st St., has been awarded the contract for a convent for the Sisters of Notre Dame. Brick and stone, four stories, at $60,000.

WASHINGTON, D. C.—Bids are asked until 2 p. m., June 18, at the office of Building for National Museum, Library of Congress, for construction of three upper floors and roof of the new building for the National Museum, Washington. Bernard R. Green is Supt. of Construction. (Advertised Engineering News.)

CHARLOTTESVILLE, VA.—The Board of Visitors of the University of Virginia has authorized the expenditure of $75,000 in new buildings at that institution. Paul J. Pelz, Corcoran Bldg., Washington, D. C., is Arch.

MONTICELLO, GA.—Bids are asked until July 1 by the Board of County Commissioners for furnishing material and erecting a 2-story and basement brick, stone, terra cotta and concrete court house. A. S. Florence is Clk.

AUGUSTA, GA.—The School Trustees of Richmond County have awarded to F. O. BROWN & SON, of Augusta, the contract for erecting a school in the Fifth Ward, at $65,000. Louis Goodrich, of Augusta, is Arch.

FORT SCREVEN, GA.—Bids are asked until June 12, by Jos. T. Davidson, Q. M., Fort Screven, for constructing, plumbing and electric wiring a subsistence storehouse and constructing wagon shed.

DOUGLAS, GA.—Bids are asked until June 22, by Jos. J. Rogers, at Douglas, for erecting a brick Methodist church. Plans and specifications may be obtained from Geo. C. Thompson, Arch., Candler Bldg., Atlanta.

GULFPORT, MISS.—The HOOMBERG ENGINEERING CO., of New Orleans, La., has been awarded the contract to erect an office building, 80 × 40 ft., and a grain elevator, 100 × 110 ft., for the Gulfport Grocery Co.

WHITESBURG, KY.—Bids are asked until June 11 for the erection of a jail in Letcher County. Cost, about $10,000. H. T. Day is Probate Judge.

LOUISVILLE, KY.—The general contract for the construction of a $60,000 3-story brick building to be erected at Fourth and P Sts. by the South Louisville Deposit & Savings Bank, has been awarded to the CENTRAL PLANING MILLS & LUMBER CO.

TOLEDO, OHIO.—Geo. S. Mills, Arch., 505 Gardner Bldg., has completed the revision of plans for a hotel to be erected at a cost of $500,000. Former bids, the lowest of which was $627,528, were rejected.

CINCINNATI, OHIO.—Bids are asked until June 8, by the Building Committee, at the office of the Clerk of the Board of Education, for remodeling and reconstructing the Third Intermediate School on Franklin St.

Bids are asked until June 11, by the same committee, for ventilating, heating and plastering a 30-room school to be erected on Baymiller St. J. M. Withrow, M. D., is Chn.

CINCINNATI, OHIO.—Bids were opened June 5 at the office of James Knox Taylor, Supervising Architect of the Treasury, Washington, D. C., for the installation of an elevator plant and electric house pumps at the U. S. Custom House and Post Office Bldg., Cincinnati, O. The bids were: Marine Engine & Machine Co., New York, $27,154; Otis Elevator Co., New York, $25,890.

YOUNGSTOWN, OHIO.—Owsley and Boucherle, Archs., Wick Bldg., are preparing plans for a 12-story bank and office building to be erected by the Dollar Savings & Trust Co., at a cost of $300,000.

NEW ALBANY, IND.—Thos. Emery's Sons will build an apartment house here to cost $150,000. J. G. Steinkamp & Bro. are Archs.

FORT WAYNE, MICH.—The U. S. Government, through the Quartermaster here, has awarded to WILLIAM HAMILTON, 37 Moore St., Detroit, the general contract for the erection of three 2-story brick barracks buildings, to be 103 × 150, 60 × 62 and 58 × 64 ft., at $184,000.

EVANSTON, ILL.—George W. Maher, Arch., 218 La Salle St., Chicago, is preparing plans for a theater to be built at Evanston for the Evanston Theater Co. It will be a 3-tier house, of fireproof construction, and is estimated to cost about $100,000.

CHICAGO, ILL.—The International Harvester Co. is planning to construct a $1,000,000 office building at Jackson Boulevard and Franklin St. The structure is to be used for the general offices of the corporation.

Wilmore Alloway, Arch., 204 Dearborn St., has let contracts for a $100,000 apartment building, to be built at 59th St. and Prairie Ave., for himself.

It is reported that Otto Young, Heyworth Bldg., has secured a site at Michigan Ave. and Hubbard Court, and is making arrangements with the management of the St. Regis Hotel, in New York, for the construction of a $5,000,000 hotel.

Harry L. Irwin is planning the erection of a warehouse on State St., near 18th St. It will be six stories, 50 × 150 ft., of reinforced concrete construction, with brick exterior, concrete or stone foundation, composition roof, and will cost $50,000.

H. R. Wilson, Arch., 218 La Salle St., has completed plans for an apartment building to be built at 29th St. and Prairie Ave., for Telford & Watson. It will be 4-story, 90 × 110 ft., and cost $130,000.

The Board of West Park Commissioners, office at Union Park, Randolph St. and Ogden Ave., has under consideration plans, submitted by Jens Jensen, Gen. Supt., for improvements to be made in Garfield, Douglas and Humboldt Parks. The improvements for Garfield Park include new administration building, greenhouses for the entire West Park system, conservatory, outhouses, covered shelter for automobiles and carriages, pavilion or refectory, and elevated seats near the band stand, etc., the total cost estimated at $414,000. Among the improvements in Douglas Park, to cost $71,000, are a new refectory and boat landing, music court, with two covered shelters, etc. Among the improvements in Humboldt Park, to cost $221,150, are two garden houses, to be used for meetings of women and children, new stone bridge, etc. The Board will also construct a subway under the railroad tracks at Marshall Boulevard and 35th St., by which the West Side and the South Side boulevard systems will be connected. At the regular meeting, June 12, it is expected that the Board will decide definitely upon these improvements. B. A. Eckart is Pres.

MENOMONIE, WIS.—W. G. Williamson, Arch., 153 La Salle St., Chicago, is preparing plans for an industrial school to be built at Menomonie for J. H. Stout. It will comprise a school building, an administration building, dormitories and several cottages.

SIOUX CITY, IOWA.—Armour & Co. have plans drawn for three additional buildings to be erected at the Sioux City plant, at a cost of $250,000.

DUBUQUE, IOWA.—Henry J. Schlacks, Arch., 99 Randolph St., Chicago, let the general contract to the HENNESSY BROS. CO., 95 Dearborn St., for a conservatory of music and art to be built at Dubuque for Mount St. Joseph College. It will be 3-story, 42 × 120 ft., fireproof, and cost $60,000. Reported on April 19.

COLERAINE, MINN.—EMIL M. JOHNSON, of Minneapolis, Minn., it is reported, has been awarded the contract to erect the superstructure for the school near Trout Lake, Coleraine, at about $55,000.

JACKSON, MINN.—Bids are asked until June 11 for the erection of a new court house for Jackson County. Buechner & Orth, Archs., 602 Manhattan Bldg., St. Paul, prepared plans.

FORT RILEY, KANS.—Bids are asked until June 15, by Capt. Leon S. Rondiez, Q. M., for constructing the following: A field officers' quarters, double captains' quarters, double lieutenants' quarters, artillery barracks, artillery stable, etc.

OMAHA, NEB.—NEWMAN & JOHNSON, 207 N. Y. Life Bldg., have secured the contract to erect the Wise Hospital, at $67,000.

ST. LOUIS, MO.—The KELLERMAN CONSTRUCTION CO., Roe Bldg., has been awarded the contract for a warehouse for the Kennard Bldg. Co., at Second and O'Fallon Sts. It will occupy one block and cost $200,000. Isaac S. Taylor is Arch.

Theodore C. Link, Arch., Carleton Bldg., has completed plans for a 5-story Y. M. C. A. club house at the corner of Eugenia and Tom Sts., to cost $159,000. The HILL-O'MEARA CONSTRUCTION CO., Wainwright Bldg., have the contract.

GRAND JUNCTION, COLO.—Bids were opened May 31, at the office of Indian Affairs, Washington, D. C., for the construction of a mess hall and other buildings, all of brick, and equipped with plumbing, steam heating and wiring, for the Grand Junction School, Colorado. Bids were as follows: Northwestern Construction Co., Wahpeton, N. Dak., $48,029; John J. Lumsden, Grand Junction, Colo., $48,987; W. B. Boyer, Grand Junction, $40,949; James H. Owen, Los Angeles, Cal., $42,880; W. D. Lovell, Minneapolis, Minn., $45,131.

PUEBLO, COLO.—Bids were opened June 5, at the office of James Knox Taylor, Supervising Architect of the Treasury, Washington, D. C., for the installation of an electric passenger elevator at the U. S. Post Office Building, Pueblo, Colo. The bids were: Otis Elevator Co., New York, $4,840; Marine Engine & Machine Co., New York, $5,291.

SAN FRANCISCO, CAL.—The following banks have announced their intention to rebuild, either on sites occupied before the fire or at new locations in the burned district: Hibernia Savings & Loan, Mutual German Savings, San Francisco Savings, Humboldt Security Savings, Mechanics' Savings, Union Trust, Mercantile Trust, California Safe Deposit & Trust, Wells Fargo Nevada, Crocker-Woolworth, Bank of California, American National, First National, San Francisco National, Anglo-Californian, Central Trust, Western National, Donahoe-Kelly, National Bank of the Pacific, Scandinavian National, Bank of British Columbia, Italian-American, Canadian Bank of Commerce and the London, Paris and American.

The Spring Valley Water Co. is to repair without delay its building at the southeast corner of Geary and Stockton Sts. It is a modern structure, and [illegible] estimated that it can be put in repair for [illegible] fifth of its original cost. A. F. Payson [illegible]res.

An item of $375,000 h[illegible]en added to the omnibus Public Buildin[illegible] in Congress, to cover the erection of a sub-treasury at San Francisco.

Bush Bros. have lease[illegible] at the corner of O'Farrell and Carl[illegible], upon which they will erect a 4-sto[illegible]ck structure to cost about $50,000.

The French-American [illegible] French Savings Banks have purchased a [illegible]ding at the corner of Sutter and Trinity for their bank. They will spend $75,000 [illegible] revamping the structure, and will put [illegible]xtensive vaults.

Contracts are shortly [illegible] let for the erection of a new 6-story [illegible]ng on the north line of Geary St., east of [illegible], on the site of the old Elysium roomin[illegible]se. The structure is to be erected [illegible]nator Jeremiah Lynch and H. A. Hedger [illegible] a cost of $125,000. Concrete and brick [illegible] be employed in the construction. Henry [illegible] Hedger is Arch.

Murray & Ready, emp[illegible]ent agents, will erect a permanent steel [illegible]re within three blocks of Market and Th[illegible] Sts. The building will contain 800 ro[illegible].

Plans have been prepar[illegible] Hemingway & Miller, Archs., for a 7-st[illegible] apartment house to be constructed on the [illegible] side of Sutter St., east of Mason. The [illegible]lding is to be of brick, stone and terra co[illegible] and will contain 120 rooms, and will cost [illegible]10,000.

A. M. A. Moore, Jr., [illegible] accepted plans for a steel structure to [illegible] erected on the corner of Market and Se[illegible] Sts., at a cost of about $750,000.

Plans were accepted by [illegible] W. Hopkins for the erection of a 12-story building on the corner of Pine and Deidesdorff Sts., to cost $200,000.

Edward Delger will er[illegible] a 10-story steel building at the corner of [illegible]rket and Sixth Sts. The structure will co[illegible] about $500,000. Hermann Barth and Loring P. Rixford are Archs.

A proposition of general interest, as well as of importance to a section of the burned residence district, is that by which an entire block is to be built up with 40 3-story flats of uniform design. Each building will contain two flats to the story, making a total of 240. The material will be reinforced concrete. In the rear of all of the buildings will be a central court, 100 × 250 ft., to which there will be entrances from the street large enough for the passage of delivery wagons. The designs are by W. C. Mahoney, Arch., and their cost will be nearly $500,000. They are to be owned and erected by the New San Francisco Home Building Co.

A fireproof building is to be erected by W. R. Daingerfield on the south side of Sutter St., near Taylor St., on plans by Maxwell G. Bugbee. These are drawn for a 10-story building, of which only five may be put up at once, but all will rise ultimately. The Daingerfield building will be of steel and reinforced concrete construction, and cost $150,000.

Contract for the construction of a 12-story steel frame building for Magee Bros. has been awarded to the FULLER CONSTRUCTION CO., Fuller Bldg., New York.

The Franciscan Fathers, who lost their church, monastery and school, on Golden Gate Ave., intend rebuilding as soon as the plans can be perfected and arrangements made.

C. A. FELLOWS, of Topeka, Kans., has secured from the management of the coast lines of the Atchison, Topeka & Santa Fe R. R. Co. the contracts for erecting the freight terminal buildings, storage houses and other buildings needed on the Santa Fe's new terminal property at China Basin, in San Francisco.

LOS ANGELES, CAL.—Harrison Albright, Arch., of Los Angeles, has prepared plans for the hotel which is to be erected by the Altemont Hotel Co., at a cost of about $500,000.

Plans for the construction of a new high school building to be erected beside the one now standing in North Hill St., were approved by J. B. Monlux, Acting Superintendent of Schools. The new building will cost $60,000.

COBOURG, ONT.—The CONSTABLE CONSTRUCTION CO., Pittsburg, Pa., has been awarded the contract by W. H. Rowe, Pittsburg, for the erection of a large summer residence at Cobourg, at a cost of about $150,000.

TORONTO, ONT.—Bids are asked until June 12, by G. Egerton Ryerson, Secy.-Treas., Toronto Public Library, for erecting a branch library on Yorkville Ave. Bids to be submitted separately or as a whole on the following: Excavation, concrete, brickwork, etc.; cut stone work, carpentry, iron and steel work, galvanized iron work and roofing, etc., hot water heating, gas fitting and plumbing, etc.

WINNIPEG, MAN.—It is reported that Grand Trunk Pacific, Canadian Northern and Great Northern Ry. companies will build a union station to cost $1,250,000, and a hotel to cost $1,000,000 at this city. Hugh Sutherland, care Canadian Northern Ry., Winnipeg, has charge of the work.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

HAVERHILL, N. H.—We are officially informed that surveys are in progress for a gravity water supply system for four villages, namely, Haverhill Center, Pike, North Haverhill and Woodsville. [illegible]arlton Pond, 800 ft. above Woodsville, is to be the source of supply. Arthur W. Dudley is Engr.

LAWRENCE, MASS.—We are officially advised that M. O'MAHONEY, of Lawrence, has been awarded contract for building filter plant in this city.

PAWTUCKET, R. I.—Bids are asked until noon, July 9, by the Department of Public Works, for a 15,000,000-gallon pumping engine. Wm. H. Barclay is Comr. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 13, by William B. Ellison, Comr. Water Supply, Gas and Electricity, for laying water mains in various streets.

Proposed Work

ENGINEERING NEWS desires to obtain the earliest possible reliable information concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed you, upon request. Address,

Construction News Dept.

NEW YORK, N. Y.—Bids are asked until 2 p. m., June 13, by William B. Ellison, Comr. Water Supply, Gas and Electricity, for laying mains in the Boroughs of Manhattan and Bronx.

LOCKPORT, N. Y.—The Fire and Water Committee of the Common Council has arranged plans and specifications so as to advertise for bids for the proposed municipal water supply system for the city.

CARNEY'S POINT, N. J.—Bids are asked until noon, June 29, by the E. I. Du Pont Co., for a wood-stove conduit and reservoir. W. G. Ramsey is Ch. Engr. (Advertised, Engineering News.)

ALTOONA, PA.—We are officially advised that advertisements for bids will appear shortly. Harry Linton is City Engr.

NORFOLK, VA.—Bids are asked until noon, June 14, by the Superintendent of the Water Department for furnishing and installing a water main, complete, from the corner of Twelfth St. and Williams Ave., Norfolk, to the Jamestown Exposition Grounds. Specifications and bidding sheet are on file at office of Engineering News, New York. (Advertised Engineering News.)

CHATHAM, VA.—Bids are asked until June 15 for gasoline engines and pumps for the municipal water-works. J. H. Hargrave, Jr., is Mayor; J. N. Ambler, Salem, Va., is Engr. (Advertised Engineering News.)

NINETY-SIX, S. C.—This town is considering the construction of a system of water-works. Dr. W. H. Holland is interested in the undertaking.

CINCINNATI, OHIO.—We are officially advised that the HUDSON ENGINEERING CO., Atlas Bank, Cincinnati, has secured the contract to drill two 10-in. artesian wells, cased and equipped with air lifts, at $3,775 each. Bids are asked until June 22, by the Commissioner of Water-Works, for supplies for the filter system to be installed in this city. Elmer G. Prior is Clk.

FRANKFORT, IND.—The Frankfort Water-Works Co. has been granted a new franchise, on condition that $100,000 improvements will be made on the plant. Bids for material and repairs will be in order soon.

MUSKEGON, MICH.—J. J. HOWDEN & CO. have secured the contract for furnishing and laying the pipes and installing the pumping apparatus of the new water-works system, at $30,760; the MUSKEGON BOILER WORKS, for erecting the standpipe, at $5,650.

ROCHESTER, MICH.—The contract for building the new reservoir at the water wells, 2¼ miles west and north of Rochester, has been let to HEITSCH & CO., Pontiac, at $10,000. The reservoir is to contain 2,000,000 gallons.

GRAND RAPIDS, MICH.—We are officially advised that the contract for the concrete work of the water tank in this city has been awarded to JOSEPH RUSCHE, at $18,390, and for the steel tank to the RODGERS BOILER & BURNER CO., of Muskegon, Mich., at $10,860. L. W. Anderson is City Engr.

BOURBONNAIS, ILL.—The Village Board of Bourbonnais has decided to build the tower for their water system on their lot just back of the public school house. The pumping station and well will be 700 ft. distant south.

PORT WASHINGTON, WIS.—Bids are asked until 8 p. m., June 25, by William A. Tholen, City Clk., for installing water mains, hydrants, valves and intake pipe. W. G. Kirchoffer, Madison, Wis., is Engr. (Advertised Engineering News.)

COUNCIL BLUFFS, IOWA.—The Water-Works Committee of the City Council to-day decided to recommend the erection, by the city, of a new waterworks plant instead of the purchase of the old plant, on which the price is claimed to be too high. It is estimated that a plant will cost under $500,000.

WILLISTON, N. DAK.—See under Light, Heat and Power.

NEOSHO, MO.—This city is contemplating the reconstruction of its water-works system. Burns & McDonnell, Kansas City, Mo., have been employed to make plans and estimates for the improvement.

HOBART, OKLA.—The City Council has decided to erect a water tower on land lately purchased for that purpose.

PERRY, OKLA.—Perry has just voted $30,000 of bonds, the proceeds to be used for building a standpipe and repairing the present water-works system.

ROFF, IND. T.—A system of water-works will be put in at a cost of $25,000, active work to begin at once. The mayor can give information.

DENVER, COLO.—The Tunpas Creek, Reservoir, Ditch & Land Co. has been incorporated at Denver, with a capital of $200,000, by August F. Brandt and others.

CASHMERE, WASH.—The Town of Cashmere has voted to issue $10,000 of bonds for purpose of installing water system. The council has decided to purchase a 20-HP. gasoline engine and pump water from the Wenatchee River. Water will be piped to a hill south of town, where a reservoir will be built at an elevation of 140 ft., with a capacity of 10,000 gallons. Work will be commenced as soon as money can be realized from sale of bonds.

CENTRALIA, WASH.—Contract has been let by the Centralia Water Supply Co. to the ROBERTS MFG. CO., Philadelphia, Pa., for 500,000-gallon pressure filter and appurtenances. The company will also install additional boiler power and special pump for fire service. H. J. Fuller, Tacoma, Wash., is Consult. Engr.

ANACORTES, WASH.—Will A. Lowman has been granted franchise for 50 years to construct and operate a system of water-works for City of Anacortes. Work will commence immediately.

SEATTLE, WASH.—We are officially informed that ordinances have been passed by the City Council ordering water mains to be laid in 31st Ave. and Eighth Ave., South, at an estimated cost of $59,700.

HOLLISTER, CAL.—The Hollister Water Co. is to build a reinforced concrete reservoir according to plans prepared by A. N. McGray. The reservoir will have a storage capacity of 300,000 gallons.

MERIDIAN, IDAHO.—A light and water plant is to be built at Meridian by S. H. Bell, of Tacoma, Wash., to cost about $50,000.

POTLATCH, IDAHO.—Bids are asked until noon, June 20, by the Palouse Lumber Co., of Palouse, Wash., for constructing a water system at Potlatch. J. H. Cunningham is Engr.

FREDERICTON, N. B.—We are officially advised that the bids for the Fredericton water-works enlargement and improvement closed May 23. For the clear water well, coagulating basin and addition to present pumping station, the following bids were received: Clear water well, Simmons & Burpee, Fredericton, N. B., $24,595; Pittsburg Filter Mfg. Co., Pittsburg, Pa., $27,336; B. Mooney & Sons and New York Continental Jewell Filter Co., Mills Bldg., New York, $29,194; B. Mooney & Sons, St. John, N. B., $29,694; J. B. McManus Co., Ltd., Memramcook, N. B., $30,142; Long, Little & Co., Boston, Mass., $30,775; George McArthur, St. John, N. B., $43,260. Filtration equipment, B. Mooney & Sons and New York Continental Jewell Filter Co., $10,514; Pittsburg Filter Mfg. Co., Pittsburg, Pa., $10,865. Roberts Mfg. Co., Philadelphia, Pa., $10,996. Pumping engine, Allis-Chalmers-Bullock, Ltd., Montreal, Que., $14,650; John McDougall Caledonian Iron Works, Montreal, $15,199. Low lift pump, John McDougall Caledonian Iron Works, Montreal, $2,011; Lawrence Pump & Engine Co., Lawrence, Mass., $3,250.

ST. STEPHEN, N. B.—We are officially advised that J. B. McMANUS CO., LTD., Memramcook, N. B., have been awarded contract to install water-works system at St. Stephen, at $34,026. Other bidders were: H. S. Crandall & Son, $31,942; J. McVay & Sons, $38,475; Long & Little, Boston, Mass., $41,918; G. M. Bryne Co., $44,210.

MONTREAL, QUE.—The Water Committee has decided to erect two pumping stations in order to be able to handle the increasing demand.

WESTMOUNT, QUE.—The City Council has entered into an agreement with the Montreal Water & Power Co., it is reported, which provides for lengthening of the intake pipe, a well at the pumping station and installation of a filter plant.

INDIAN HEAD, SASK.—The bids received for public work, to be done here, were: Wood pipe line and distributing system, labor, Fry & Masterson, Regina, $20,550; material, Canadian Wood Pipe Co., Vancouver, B. C., $20,494; dam and reservoir, labor, W. Newman, Regina, $7,476.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

PEABODY, MASS.—The following bids have been received for building sections 3 and 4 of the new Peabody sewer system: Essex Trap Rock and Construction Co., Peabody, $36,000; H. A. Hanscom, Boston, $34,141; Long & Little Co., Boston, $33,209; C. E. Trumbull Co., Boston, $31,529; GEO. M. BRYNE CO., Boston (awarded contract), $26,648. E. H. Porter, of Peabody, bid $18,050 for building section 4.

WINDSOR, CONN.—The lowest bidders on the construction of Sections A and B of the Windsor sewer were: Section A, F. B. & William O'Neil, $28,111 for 4,150 ft. of brick sewer and 800 ft. tile sewer; Section B, the Hartford Paving & Construction Co., $19,002 for 6,200 ft. of vitrified tile sewer.

BRIDGEPORT, CONN.—Bids are asked until 2 p. m., June 20, by Patrick Kennelly, Dir. Pub. Wks., for construction of brick and concrete sewer in Noble Ave. (Advertised, Engineering News.)

NEW YORK, N. Y.—A 17-ft. sewer is under consideration to drain the Borough of Queens and Brooklyn. It is proposed to build the sewer with the main trunk running from the Brooklyn line to Newtown Creek, and adjoining sections running to Myrtle Ave., and in the Maspeth section.

SCHENECTADY, N. Y.—Bids are asked until noon, June 7, for constructing three sections of sewer here. We are officially informed that Section 1 comprises about seven miles of from 8 to 12-in. sewer; Section 2, about eight miles of from 8 to 15-in. sewer; and Section 3, about 4,000 ft. of 36-in. concrete sewer. L. B. Sebring, Parker Bldg., is City Engr.

UTICA, N. Y.—Bids are asked until June 15 by the Mayor for constructing vitrified pipe house drainage sewers in portions of six streets. J. A. Cantwell is City Clk.

WATERFORD, N. Y.—Bids are asked until 8 p. m., June 15, by the Board of Sewer Commissioners, Sewer District No. 2, for building sanitary sewer and storm sewer systems. Luke Kavanagh is Chn.; Thomas F. Grattan, 192 Mohawk St., Cohoes, N. Y., is Engr. (Advertised, Engineering News.) Owing to an informality in the bids of the two lowest bidders on the same work, received May 16, the Commission has decided to reject all bids received that date, and to readvertise as noted above.

NEWARK, N. J.—Bids are asked until 3 p. m., June 11, by the Committee on Roads and Assessments, for laying sewers in Bloomfield Ave., Verona, and in Springfield Ave., Irvington. James Owen is County Engr.

WAYNE, PA.—Bids are asked until noon, June 14, by the Wayne Sewerage Co., 112 North Broad St., Philadelphia, for construction of a sewage disposal plant at Wayne. H. P. Keen is Gen. Supt. Operating Dept.; City-Wastes Disposal Co., 156 Fifth Ave., New York, are Engrs. (Advertised, Engineering News.)

MEYERSDALE, PA.—We are officially advised that the contract for constructing 2,000 lin. ft. of 15 to 36-in. sewer has been awarded to GEORGE H. DUNCOMBE, Meyersdale, Pa., at $4,375. G. L. Benford is City Engr.; W. A. Shoemaker is City Clk.; C. P. Collins, Johnstown, Pa., is Des. Engr.

GADSDEN, ALA.—The contract for construction of nine miles of sewers in this city was awarded to the WEST CONSTRUCTION CO., of Chattanooga, Tenn., at $27,700.

BIRMINGHAM, ALA.—The Jefferson County Sanitary Commission has let contract to C. M. BURKHALTER & CO., at $9,253, for installing branch lines to the trunk sewers.

MAYSVILLE, KY.—HENKEL & SULLIVAN have been awarded contract at $50,000 for street and sewer work at Maysville.

PAINSVILLE, OHIO.—Bids are asked until noon, June 12, for construction of about 5,140 ft. of sewers on four streets. We are officially advised that the sewers will consist of from 15 to 20-in. pipe and from 36 to 42-in. brick. H. P. Cumings is City Engr.

CHILLICOTHE, OHIO.—Bids are asked until June 11, by the Board of Public Works, for construction of reinforced concrete sewer, to cost about $15,000. W. M. Redd is City Engr.

NORWOOD, OHIO.—Bids are asked until June 23 by the Board of Public Service for furnishing material and constructing sewers in numerous streets. J. A. Stewart, 813 Traction Bldg., Cincinnati, is Engr.

ELYRIA, OHIO.—Two sewers are to be constructed, one on Olive St. and one on Ohio St. Estimated cost, $60,000. C. Chapman is Mayor. R. Moriarty is Clk.

RAVENNA, OHIO.—The contract for a sewage disposal plant at Ravenna has been let to E. McSHAFFREY & SON, of Akron, at approximating $23,000.

MARION, OHIO.—Bids are asked until noon, June 13, by the Board of Public Service, for installing a sanitary sewer on Church and St. James Sts.

CANTON, OHIO.—The contract for the sanitary sewer construction in Center St. has been awarded to PHILIP H. WEBER.

FORT WAYNE, IND.—At a recent meeting of the Board of Public Works, at Fort Wayne, DERHEIMER & CO. were awarded the contract for construction of a sewer between St. Joe Boulevard and Oneida St., from Harriet to Eden Aves.

HAMMOND, IND.—Bids are asked until 10 a. m., June 15, by the Board of Public Works, for installation of 18-in. vitrified pipe sewer in Clarke St.

EVANSVILLE, IND.—Bids are asked until June 12, by W. F. Wunderlick, City Clk., for constructing main sewer in Lafayette Ave., and local sewers in Morgan and Lincoln Sts. August Pfafflin is City Engr.

GRAND RAPIDS, MICH.—Bids are asked until 2 p. m., June 15, by the Board of Public Works, James E. Keegan, Pres., for installation of a sewer system at the Michigan Soldiers' Home. L. W. Anderson is City Engr. (Advertised, Engineering News.)

JACKSON, MICH.—Bids are asked until 2.30 p. m., June 18, by the Board of Public Works, for constructing river crossings and intercepting sewer. Specifications and bidding sheet are on file at the office of Engineering News, New York. J. F. Harrison is Supt. Pub. Wks.

MARINE CITY, MICH.—Contract for laying sewers on Sharkey and Woodworth Aves. has been let to FARRELL & BLOOD. W. K. Staley is City Engr.

DETROIT, MICH.—The city has given notice of its intention to construct sewers in two alleys. George T. Gaston is City Engr.

COLLINSVILLE, ILL.—We are officially advised that Burns & McDonnell, Sanitary Engrs., Kansas City, Mo., are making plans and specifications for a system of sewerage for this city.

QUINCY, ILL.—It is reported that bids will be called for, for constructing two miles of brick and tile sewer, near the latter part of June. J. A. Berlin is Clk.; Frederick Hancock is City Engr.

SAVANNA, ILL.—The Board of Local Improvement will advertise for bids in about three months for construction of a sewer system. W. H. Griffith is Pres.; A. Schnell is Engr., Clinton, Ia.

BLOOMINGTON, ILL.—The city has passed resolutions providing for the installation of six sewers of from 12 to 18-in. diameter, to cost altogether $15,000.

MADISON, WIS.—Bids are asked until June 8, by the City Clerk, for constructing three miles of sanitary sewers. John F. Icke is City Engr.

LEEDS, N. DAK.—The contract for trunk sewer in this city has been let to GILBERT W. HAGGART, of Fargo, at $13,000.

FAIRBURY, NEBR.—We are officially advised that the date for letting contract for sewer construction has not yet been fixed. It will be a from 8 to 12-in. sewer, 10,000 ft. long, and will cost $8,500. Adna Dobson, Lincoln, is State Engr. W. W. Watson is City Engr.

CAPE GIRARDEAU, MO.—Specifications and bidding sheet for proposed sewage system at Cape Girardeau, as advertised, are on file at the office of Engineering News, New York. Bids are asked until July 2.

NEOSHO, MO.—We are officially informed that Burns & McDonnell, Sanitary Engrs., Kansas City, Mo., have been employed to make surveys, plans and specifications for a system of sewers at Neosho.

ST. LOUIS, MO.—The Board of Public Improvements has awarded the contract for constructing the extension of Harlem Creek sewer from Bulwer Ave. to 600 ft. west of Broadway, in North St. Louis, to the HOFFMANN-HOGAN CONSTRUCTION CO., at $174,857.

The Board of Public Improvements has approved of an ordinance for the construction of the McCausland Ave. Sewer District. It is to drain a district practically bounded by Horner and Plateau Aves. on the north, Kraft St. and Ecoff Ave. on the east, the Missouri Pacific R. R. and Old Manchester Ave. and the city limits on the west. The cost of the system is estimated at $89,500. The area to be drained amounts to 186 acres.

DENVER, COLO.—For building Sanitary Sewer District No. 1, GAFFY & KEEFE have the contract at $191,819. About 87,379 lin. ft. of pipe will be used. John B. Hunter is City Engr.

PORTLAND, ORE.—The City Council has passed resolutions to construct sewers in 24th, East 28th, Larabee, East Madison and East Salmon Sts. T. C. Devlin is City Audr.

OAKLAND, CAL.—MICHAEL MURPHY has been awarded contract for sewering 60th St. from center line of Racine St. to point 120 ft. easterly, with 8-in. pipe. Frank R. Thompson is City Clk.

OGDEN, UTAH.—Bids are asked until 2 p. m., June 23, by A. F. Parker, City Engr., for sewer construction in this city. We are officially advised that about 36,000 lin. ft. of from 6 to 24-in. pipe will be used.

SYDNEY, N. S.—The City Council has awarded contract for installing sewer system in Fifth Ward, to WILLIAM COOKE, at $9,578.

CORNWALL, ONT.—Bids are asked until 10 a. m., June 9, for construction of the Lorneville Sewer extension, on the Montreal Road. W. H. Magwood is Engr.

WINNIPEG, MAN.—The contract for vitrified tile pipe has been let to the McCOMB SEWER PIPE CO., at $8,323. H. N. Ruttan is City Engr.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

WHITE PLAINS, N. Y.—Plans are being considered for a garbage incineration crematory, for the village.

WILMINGTON, DEL.—Bids are asked until June 28, by the City Council (John J. Monaghan, Clk.), for the collection and removal, and for the disposal of garbage.

INDIANAPOLIS, IND.—The Board of Public Works has awarded a 5-yrs.' garbage collection and disposal contract to the INDIANAPOLIS SANITARY CO., at $52,000 a yr.

CALGARY, N. W. T.—The Council has authorized the expenditure of $10,000 for the purchase of a crematory.

WINNIPEG, MAN.—Bids are asked until 3.30 p. m., June 21, by Christopher Campbell, Chn. Health Com., for a complete garbage and night soil incinerator for this city, with a capacity of 140 tons a day. C. J. Brown is City Clk. (Advertised, Engineering News.)

VANCOUVER, B. C.—The Health Committee has decided to have plans prepared, and to ask bid, for a complete garbage incinerator.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—The MAINE & NEW HAMPSHIRE GRANITE CO. have the contract for 8,000 sq. yds. of granite paving blocks to be furnished the Department of Public Works at $9,600. Other bidders were W. S. White, $10,400, and Hopper, Harvey & Co., $12,000.

CANDIA, N. H.—We are officially advised that macadam and gravel roads will be constructed in Boscawen, Bradford and Candia to cost, in all, about $6,200. A. W. Dean, Concord, is State Engr.

PORTSMOUTH, N. H.—FRED W. STORES of Methuen, Mass., has been let the contract for that section of the Ocean Boulevard extending from the Rye cable station to the Farragut bathhouse, a distance of 1½ miles. The bid of Mr. Stores was $6,150.

HOLYOKE, MASS.—The contract for 5,000 sq. yds. of wood block pavement has been awarded to the U. S. WOOD PRESERVING CO., of New York, N. Y., at $39.50 per thousand blocks; and the contract for 1,500 sq. yds. of vitrified brick block pavement, to the MACK MFG. CO., of Philadelphia, Pa., at $27.00 per thousand blocks. An order of 17,000 brick and blocks was given to the JOHNSONBURG VITRIFIED BRICK CO. at $1.13½ per sq. yd. M. F. Walsh is Chn. Bd. Pub. Wks.

WOONSOCKET, R. I.—We are officially informed that JOHN F. KELLEY, of Worcester, Mass., has been granted contract for paving 3,500 sq. yds. on Railroad St., with granite blocks, at $3,395, using cement joint, or $2,695 using sand joint. Frank H. Mills is City Engr.

WALLINGFORD, CONN.—Bids are asked until 2.30 p. m., June 8, by the Board of Selectmen, for macadamizing and Telfordizing a section of road in Wallingford.

WATERBURY, CONN.—Bids are asked until 8 p. m., July 3, by the Board of Public Works, for grading and paving on site of proposed sewage purification plant. R. A. Cairns is City Engr. (Advertised, Engineering News.)

ALBANY, N. Y.—Bids are asked until noon, June 28, by Henry A. Van Alstyne, State Engr., for the construction or improvement of several state highways. Bids are also asked on June 29 and 30. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bird S. Coler, Pres. Boro. of Brooklyn, has asked the Board of Estimate and Apportionment for an appropriation of $50,000 to begin sidewalk improvements, the total cost of which he estimates at $1,500,000.

Bids are asked until June 12, by Louis F. Haffen, Pres. Boro. Bronx, for paving with Medina and asphalt blocks on a concrete foundation a portion of East 163d St. and setting curb where necessary; also for regulating, grading, setting curbstones, flagging the sidewalks, laying crosswalks, building approaches and placing fences on a portion of Taylor St.

Bids are asked until 3 p. m., June 14, by John F. Ahearn, Pres. Boro. of Manhattan, for regulating and paving with asphalt and granite pavement various streets in the borough.

We are advised that the following bids were received on May 28, by Joseph Bermel, Pres. Boro. of Queens, for paving with wood block paving (a) the roadway of Jamaica Ave., from Brooklyn Borough line to Van Wyke Ave.; (b) the roadway of Metropolitan Ave., from Dry Harbor Road to Jamaica Ave; Republic Wood Pavement Co., Jersey City, N. J., (a) $157,089, (b) $171,680; Bevier Improvement Wood Pavement Co., 220 Broadway, (a) $122,820; (b) $142,540; U. S. Wood Preserving Co., 29 Broadway, (a) $159,145, (b) $165,240; Asphalt Construction Co., 207 Broadway, (b) $157,315.

CONSTABLEVILLE, N. Y.—Bids are asked until noon, June 12, by George J. Schwenk, Town Clk., for construction of about 6,500 lin. ft. of new highway.

ROCHESTER, N. Y.—The Board of Contract has awarded contract for paving East Ave., from Alexander to Culver Sts., to WHITMORE, RAUBER & VICINUS, at $54,216.

PENN YAN, N. Y.—The lowest bidder for paving Jacob St., from the Northern Central Ry. tracks to Main St., was Daniel J. Conroy, Oneida, N. Y. His bids were: Metropolitan block, $12,891; Mack block, $12,891; Corning brick, $12,396.

SOMERVILLE, N. J.—Bids are asked until 10 a. m., June 22, by the Board of Chosen Freeholders, Henry W. Baird, Dir., for macadamizing about 3 1-10 miles of road leading from the Somerville line to the iron bridge over the north branch of the Raritan River, at North Branch. (Advertised Engineering News.)

ELBERON, N. J.—JOHN A. EATON, of Elberon, has been awarded the contract for paving Liberty Alley with Belgian blocks at a cost of $5,605.

ABESCON, N. J.—A boulevard is under consideration, to be constructed between Abescon and Somers Point, and to be 100 ft. wide.

SPANGLER, PA.—Bids are asked until 7 p. m., June 20, by the Council, for grading, curbing and paving with brick, Bigler Ave. H. J. Hinterleitner is Boro. Engr. (Advertised Engineering News.)

WILKES-BARRE, PA.—Bids are asked until 8 p. m., June 11, by the Kingston Borough Council for about 17,000 sq. yds. with brick, and for about 6,050 lin. ft. curbing. H. S. Smith is Boro. Engr. (Advertised Engineering News.)

MEYERSDALE, PA.—We are officially advised that bids for brick pavement on Broadway St., in Myersdale, will be advertised for on completion of sewer work now being done. G. L. Benford is City Engr.; W. A. Shoemaker is City Clk.

WILLIAMSPORT, PA.—The Highway Committee has awarded to BUSCH & STEWART, contract for paving Washington St., with eagle block, at $1.74 a sq. yd. John F. Fisher is City Engr.

WILMINGTON, DEL.—Bids are asked until 10.30 a. m., June 19, by Francis A. Price, New Castle County State Highway Comr., for macadamizing Foulk Road. (Advertised Engineering News.)

BALTIMORE, MD.—The West Arlington Improvement Co., of West Arlington, Baltimore, have awarded contract for constructing 16,500 lin. ft. reinforced sidewalks to P. FLANIGAN & SON, 120 East Lexington St. William B. Echlen is Mgr.

GEORGE UTTERBAUGH has been awarded the contract, by the Walbrook Land Corporation, to macadamize the entire Bull tract at Walbrook. The contract calls for the improvement of about 1½ miles of roadway. The improvement will cost about $15,000.

Following are the lowest bids per sq. yd. received on May 29 by the Board of Awards, for paving with sheet asphalt the several streets mentioned: North Ave., the Filbert Paving & Construction Co., 1210 Block St., $2.10; Madison St., the Filbert Paving & Construction Co., $2; Ostend St., the Filbert Paving & Construction Co., $2.05; Robert St., The Maryland Pavement Co., 6 East Lexington St. and the Filbert Paving & Construction Co., each, $2.10; Mosher St., the Maryland Pavement Co., $2.10; Woodbrook Ave., the Maryland Pavement Co., and the Filbert Paving & Construction Co., each, $2.10; Park Ave., the Filbert Paving & Construction Co., $2.05; Riverside Ave., the Filbert Paving & Construction Co., $2.10; Gough St., the Filbert Paving & Construction Co., $1.93. The Barber Asphalt Co., 114 Liberty St., New York, N. Y., was the only bidder for asphalt block, on every street except two. The bids were: North Ave., $1.88; Madison St., $1.86; Ostend St., $1.88; Robert St., $1.85; Mosher St., $1.83; Woodbrook Ave., $1.83; Park Ave., $1.82; Riverside Ave., $1.84; Gough St., $1.85. For paving Fremont Ave. with asphalt block, the Maryland Pavement Co. was the only bidder, $2.25; for paving Edmondson Ave., the lowest bidder was the Maryland Pavement Co., $2.15.

CUMBERLAND, MD.—The Street and Alley Committee of the City Council have awarded the contract for the paving with fire brick, Maryland Ave., including grading, and curbing with concrete, to DOUGLAS P. LEFVRE and JOHN T. EDWARDS, at $44,191.

BLUEFIELD, W. VA.—Specifications and bidding sheet for paving as advertised are on file at the office of Engineering News, New York. Bids are asked until June 12.

MONTGOMERY, ALA.—Bids are asked until June 18, by R. S. Williams, City Treas., for paving and otherwise improving with either vitrified brick, bitulithic, asphalt or gravel a portion of South Hull St., and with vitrified brick, bitulithic or asphalt a portion of Sayre St., approximate quantities on both streets, 22,500 sq. yds.

MAYSVILLE, KY.—The City Council has awarded the contract for constructing the brick streets here to SULLIVAN & HENKLE, of Cincinnati, Ohio, at $1.56 a sq yd.

BUCYRUS, OHIO.—We are officially informed that the city will soon advertise for bids for paving Lucas, Prospect and Charles Sts., with brick. About 25,000 sq. yds. of pavement will be laid. C. A. Guiss is City Engr.

BLUFFTON, OHIO.—Bids are asked until June 18, for 25,548 sq. yds. brick pavement and 11,219 lin. ft. curbing on Main St., and 1,532 sq. yds brick pavement and 802 lin. ft of curbing on Church St. B. F. Biery is Village Clk.; Elmer C. Balton, Findlay, Ohio, is Engr.

ARCHBOLD, OHIO.—The village of Archbold will pave the entire length of Holland St. The Riggs & Sherman Co. of Toledo are Engrs.

WAUSEON, OHIO.—Wauseon will pave North Fulton St. from the end of present paving to Walnut St. with vitrified brick. The Riggs & Sherman Co. are Engrs.

MARION, OHIO.—Bids are asked until June 13, by the Board of Public Service, for paving Columbia St., from High to Davids Sts. William Fies is Clk.

CANTON, OHIO.—The contract for paving and curbing Walnut St., from East North St. to the Pennsylvania R. R. tracks, has been let to WILLIAM and CALVIN TURNBULL.

PORTSMOUTH, OHIO.—Bids are asked until 10 a. m., June 16, by Fred N. Tynes, County Audr., for placing one course of stone on towpath from canal bridge, at Portsmouth, to foot of hill at Union Mills.

ASHLAND, OHIO.—We are officially advised that contract was let on June 2, to D. A. PHILLIPS, Ashland, for paving Highland Ave. with brick.

ST. BERNARD, OHIO.—Bids are asked until noon, June 14, by George Schroder, Village Clk., for constructing sidewalks on various streets.

VAN BUREN, IND.—Bids are asked until 8 p. m., June 12, by the Board of Trustees, for 20,000 cu. yds. of pavement. W. A. Paxton is City Clk. (Advertised, Engineering News.)

PETERSBURG, IND.—The Commissioners of Pike County are preparing to ask for bids for the construction of ten miles of rock road, at an estimated cost of $25,000.

SULLIVAN, IND.—The Town Board has awarded contract for paving the public square in this city and parts of four streets leading to the public square to the FOULKES & FORBES CO. of Terre Haute, at $31,270.82.

INDIANAPOLIS, IND.—The Board of Public Works has passed resolutions providing for extensive improvements on various streets in the city.

GREENSBURG, IND.—Resolutions have been adopted to improve, by grading, graveling, curbing and laying cement sidewalks, the following streets: Monfort, Jackson, Franklin, Anderson, Vine, Wilder, First, and Michigan and Central Aves.

DOWAGIAC, MICH.—We are officially advised that Park, Commercial, Division, and Spaulding Sts. are to be paved with brick this season. John S. Haines is City Survr.

CHARLESTON, ILL.—ALLEN & PARRISH, of Paris, have contract to pave Polk and Fifth Aves., and Jefferson St.

LOCKPORT, ILL.—Bids are asked until 8 p. m., June 18, by the City Council, William Gleason, Clk., for laying 30,000 sq. ft. concrete sidewalk.

MOLINE, ILL.—THE McCARTHY IMPROVEMENT CO., of Davenport, has been awarded contract for paving Twelfth Ave. between Fifteenth and Nineteenth Sts. with asphalt, at $17,896.

LINCOLN, ILL.—The contract for paving portions of seven streets have been let, the total cost of the work to be about $35,000. SHIRK & HARTNELL, local men, have the contract.

SPENCER, IA.—Bids are asked until June 15, by R. T. Taylor, City Clk., for constructing about 2,000 lin. ft. cement sidewalk.

DAVENPORT, IOWA.—Contract for paving with brick Fourth Ave. from Twenty-third to Thirty-fourth Sts., to cost $37,800, has been awarded to TRI-CITY CONSTRUCTION CO.

ST. PAUL, MINN.—Contract has been awarded by the Board of Public Works, for paving Fifth St., from Broadway to John, to FIELDING & SHEPLEY, at $12,016.

EMPORIA, KANS.—Bids are asked until June 11 by G. O. Mathewson, City Clk., for furnishing material, grading, curbing and paving a portion of Union St. and Sixth Ave.

PUEBLO, COLO.—L. M. PFEIFFER has been awarded contract for repaving Union Ave. with asphalt, at $79,060.

SEATTLE, WASH.—We are officially informed that the BARBER ASPHALT PAVING CO. has contract for paving Fifth Ave. North, at $20,454. R. H. Thomson is City Engr.

The City Council has passed ordinances providing for asphalt paving to be done on Eastlake Ave. and East Prospect St., at $29,800.

TACOMA, WASH.—The Commissioners have awarded the contract for paving D St. from St. Helens to Jefferson Ave., to the INDEPENDENT ASPHALT PAVING CO., at $74,113. The bid of the Barber Asphalt Co. was $75,342. Frank L. Davis is City Engr.

AMHERST, N. S.—Bids are asked until 5 p. m., June 15, by the Town of Amherst, for about 16,000 sq. yds. permanent street pavement, sidewalks, curbs, etc. W. F. Donkin is Town Clk.

PORTAGE LA PRAIRIE, MAN.—The City Council has decided to expend $25,000 on local improvements; E. Brown is Mayor.

WINNIPEG, MAN.—The City Council will spend this season about $500,000 for asphalt pavement, $150,000 for granolithic sidewalks, macadam $350,000, block pavement $90,000. H. N. Ruttan is City Engr.

REGINA, SASK.—The city proposes to spend about $400,000 on street improvements this summer, for which plans are now being prepared. Angus Smith is City Engr.

CALGARY, ALTA.—The City Council has authorized the expenditure of $10,000 for macadam roads this summer.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

SOUTH WINDHAM, ME.—The Androscoggin Pulp Co. will build new mills at South Windham, to take the place of those recently burned at Brunswick. The site will be on the Windham side of the Precumpscot River, just below the present mills where the surveys have been made. The new mills will employ 150 or more additional men.

PORTLAND, ME.—Bids are asked until June 19, by William E. Cullinan, Secy. Com. on Pub. Wks., for furnishing a stone crushing plant. (Advertised Engineering News.)

PITTSFIELD, MASS.—The AMERICAN BUILDING CO., it is reported, has the contract for the steel work, and BECKWORTH & PIKE, of Pittsfield, the contract for the masonry, concrete and woodwork on the addition which the Stanley Electric Co. intends erecting to its machine shops at Morningside. Probable total cost $70,000.

STAFFORD SPRINGS, CONN.—It is reported that The Rhode Island Worsted Co., of Indian Orchard, Mass., expects to build a large mill at Stafford Springs, and remodel its present two buildings; also build a large dam which will increase its water power.

TRENTON, N. J.—A. Swan, Arch., Broad St. Bank Bldg., is preparing plans for a 1-story addition to the power house of the United Globe Rubber Co. New equipment is required.

CARLISLE, PA.—THE SHAMOKIN LUMBER & MFG. CO. of Shamokin, Pa., have contract for a brewery for the Carlisle Brewing Co. It will be a 4-story brick and steel building. New equipment will be installed.

PHILADELPHIA, PA.—The contract for the erection of a $17,000 boiler and engine house and a condenser building for Charles B. Medford has been awarded to EDWARD FAY & SON. P. A. Kley is Arch.

Plans have been completed for the $50,000 7-story concrete and steel factory building at Tenth and Buttonwood Sts. Milligan & Webber are Archs., 520 Walnut St.

THE JOHN W. ALLISON CO. has been awarded a contract by the Philadelphia Rapid Transit Co. to put in a reinforced concrete floor on steel beams and to make a roof of reinforced concrete to the substation of a powerhouse at the northwest corner of 58th St. and Woodland Ave. at cost of $7,000.

ELWOOD CITY, PA.—Announcement has been made that the Shelby Tube Co. will build a $1,000,000 plant at Elwood City. R. C. Steiffel, Elwood City, Pa., is Gen Mgr. of the company.

READING, PA.—The Keystone Wagon Works will have plans prepared for a 3-story brick wagon factory, to cost $50,000. Power and special machinery will be required. George W. Beihl, 500 North Third St., is interested.

RISING SUN, MD.—Bids are asked by P. E. & W. Sharples, 40 South 16th St., Philadelphia, Pa., for a creamery here. The building is to be of stone and frame, three stories, and 50x100 ft. Power plant and special equipment is required.

BALTIMORE, MD.—Contract to build 5-story, fireproof, brick and reinforced concrete factory 50x103 ft. for the Summers Printing Co., has been awarded to J. H. WALSH & BRO., 406 South Charles St., Baltimore, at $35,000. E. L. Walsh is Arch.

The FULLER CONSTRUCTION CO., American Bldg., Baltimore, has been awarded contract for 4-story concrete and steel factory, 90 × 280 ft., for Friedenwald & Co.

WASHINGTON, D. C.—Bids are asked by M. Wiegand, for a 3-story brick addition to his planing mill and wood-working plant.

GRANITE FALLS, N. C.—The Dudley Lumber Co. will next year build a 6,000 spindle mill for fine yarn, with 200 H. P. water power.

FAYETTEVILLE, N. C.—The Victory Mfg. Co., of Fayetteville, will make print cloths and use 800 28-in. looms. It will use electric power, 1,000 H. P. and a capital of $200,000. H. W. Lilly is Pres.; Fletcher M. Cook, Treas. and Secy., and N. D. McNeill, Mgr.

FREEPORT, FLA.—J. J. Macaskill & Co. propose constructing a mill for sawing pine and cypress; also shingle, lathe and planing mills.

CUMBERLAND GAP, TENN.—The American Association Development Co. proposes to build a Portland cement plant at Cumberland Gap, to cost about $1,000,000.

MARION, IND.—The Citizens Automatic Telephone Co. has been incorporated with a capital of $1,300,000. The company is in the market for a large amount of material for the construction of an extensive plant. O. L. Barger is Pres.

The Marion Iron & Brass Bed Co. will let contract between June 5 and June 10 for its proposed plant, to cost about $50,000. There will be four buildings, one 100x260 ft., one 50x320 ft., one 50x250 ft, and the fourth 40x70 ft. L. H. Gibson, Low Bldg., Indianapolis, is Arch.

FT. WAYNE, IND.—The D[illegible] Concentrator Co. has been incorporated [illegible]th a capital of $200,000 to construct a [illegible] and install machinery to manufact[illegible]re mills and other machinery. Emil [illegible]er, William H. Brusman and Walter [illegible]urns are directors.

INDIANAPOLIS, IND.—Surv[illegible]re being made for the construction of [illegible] $2,000,000 car shop for the Cleveland, C[illegible]ati, Chicago & St. Louis Ry. at Beech [illegible]e, south of this city. It is understood [illegible] much of this work will be let to contr[illegible]

DETROIT, MICH.—The McC[illegible] Refrigerator o. of Kendalville, Ind., w[illegible]uild and equip a very large plant here [illegible]he manufacture of refrigerators.

The Western Malleable Ste[illegible]o., 1250 River St., will build a forge sho[illegible]2x127 ft., and an addition to their factory [illegible]x183 ft., both one high story, of brick [illegible]mposition roof, metal skylights, open plu[illegible]ng, electric lighting, etc. Cost, $10,000.

CHICAGO, ILL.—Postle & Ma[illegible], Archs., Marquette Bldg., 204 Dearborn [illegible] will be ready next week to take figures [illegible] a factory to be built at 35th and Iron [illegible] for the Sefton Manufacturing Co., manufacturers of paper boxes. It will be 4-story, 220x150 ft., partly of mill and partly of fireproof construction, have facing brick exterior, composition roof, structural iron work, steam heat, and cost $200,000.

MILWAUKEE, WIS.—The Allis-Chalmers Co. announces that it will spend $750,000 enlarging its immense plant here so as to take up the manufacture of a patent air brake. The money includes cost of new buildings and machinery.

FORT WORTH, TEX.—The St. Louis, San Francisco & Texas Ry. Co. will soon let the contract for about $75,000 of yard and terminal improvements at Fort Worth.

EL PASO, TEX.—The El Paso Portland Cement Co. will erect a cement factory to cost about $100,000. James L. Marr is one of the directors of the company.

SPOKANE, WASH.—It is proposed by the Hurst Automatic Switch Co. to erect a new plant in this city. Cost, $100,000. Main office, Rawlins, Wyo.

TONOPAH, NEV.—It is reported that the Pittsburg & Silver Peak Gold Mining Co. and the Mohawk-Alpine Mining Co., have amalgamated and will erect an 80-stamp mill.

VANCOUVER, B. C.—The F. W. Hunting Lumber Co., Vancouver, will erect a new sawmill at a cost of about $75,800.

QUATSINO, C. B.—The Quatsino Power & Pulp Co., Victoria, will erect a new pulp mill at Quatsino Sound, B. C., at a cost of about $200,000.

SMITH'S FALLS, ONT.—The Frost & Wood Co., Ltd., Smith's Falls, are replacing the buildings destroyed by fire some months ago with a 4-story brick building of standard slow burning mill construction, with no openings in the floors, having a floor area of between 140,000 and 150,000 sq. ft.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

TUNNEL.—Eugenia, Ont.—See Light, Heat and Power.

DITCH.—Montgomery, Ala.—Bids are asked until June 18, by R. S. Williams, City Treas., for digging a drainage ditch.

DITCH.—Portland, Ind.—The contract for dredging Lob ditch and Little Wabash River for a distance of two miles has been awarded to STURGEON BROS., of Portland, for $41,000.

CANAL.—Belle Fourche, S. Dak.—R. F. Walter, Engr.-in-Charge of the Belle Fourche project, informs us that no bids were received May 29 for completion of the main supply canal.

BARGE CANAL.—Albany, N. Y.—Contract 10 of the Barge Canal work has been awarded by N. V. V. Franchot, State Supt. Pub. Wks., to MOSIER & SUMMERS, Buffalo, N. Y., at $1,126,718.

LEVEE WORK.—Memphis, Tenn.—Bids are asked until June 20 by the St. Francis Levee Board for constructing approximately 972,000 cu. yds. of levee work. H. N. Pharr, Memphis, is Ch. Engr.

DITCH.—Centerville, Iowa.—Contract for constructing a drainage ditch in District No. 2 was awarded to N. C. McGinnis, at 11¾ cts. per cu. yd. Total amount of contract is about $26,000.

MACHINERY.—Pittsburg, Pa.—Bids are asked until June 25 by Maj. Wm. L. Sibert, Engr., U. S. A., for furnishing and installing compressed air machinery for new lock No. 3, Monongahela River.

WIRELESS STATION.—New York, N. Y.—Bids are asked until June 20 by Capt. G. C. Burnell, Constructing Q.M., U. S. A., for constructing a wireless telegraph station at Fort Wood, New York Harbor.

SEA WALL.—Fort Munroe, Va.—Bids are asked until noon, June 30, by the Constructing Quartermaster, for repairing sea wall at Fort Munroe. Capt. R. H. C. Kelton is Q.-M. (Advertised, Engineering News.)

DREDGING.—New London, Conn.—Specifications and blank proposal for dredging the Housatonic River, as noted in issue of May 31, are on file at the New York office of Engineering News. Bids to be opened June 26.

CANAL.—Detroit, Mich.—Bids are asked until 2 p. m., July 24, at the U. S. Engineer Office, Detroit, for widening St. Marys Falls Canal. Col. Charles E. L. B. Davis is Engr., U. S. A. (Advertised, Engineering News.)

CANAL.—Browning, Mont.—Bids are asked until 2 p. m., July 31, at the office of the U. S. Reclamation Service, Browning, for construction of about 14 miles of canal. Cyrus C. Babb is Engr., Browning; E. A. Hitchcock is Secy. (Advertised, Engineering News.)

WASH BOR[illegible]S.—Baltimore, Md.—Bids are asked unt[illegible] a. m., June 20, by Harry F. Hooper, C[illegible] Register, City Hall, for making wash b[illegible]s along lines of proposed sewer routes. [illegible] Advertised, Engineering News.)

DREDGING.—[illegible]dgeport, Conn.—Specifications and bl[illegible] proposals for dredging in Bridgeport H[illegible] as noted in Engineering News of May [illegible] are on file at office of Engineering New[illegible] w York. Bids are to be opened June [illegible]

DREDGING.—[illegible]ksonville, Fla.—Bids are asked until [illegible] June 12, at the U. S. Engineer Office, [illegible]ksonville, for dredging at Trout Creek [illegible]l, St. Johns River. Maj. Francis R. S[illegible] is Engr., U. S. A. (Advertised, Eng[illegible]ring News.)

DITCH.—M[illegible] City, Ia.—Bids are asked until June 1[illegible] the County Commissioners for constructi[illegible] ditch in Drainage District No. 1, known [illegible] Clear Lake Drainage District. The [illegible] of work will aggregate 19,000 cu. yd[illegible] excavation.

PUMP AND ENGINE.—Sorel, Que.—Bids are asked unt[illegible] June 12 by F. Gourdeau, Deputy Mini[illegible] of Marine and Fisheries, Ottawa, for [illegible]rnishing and delivering at Sorel, one di[illegible] connecting dredging pump and triple exp[illegible]on steam engine.

DREDGING.—Sault Ste. Marie, Ont.—Bids are asked unt[illegible] June 13 by the Department of Public Works for dredging in the St. Mary's River at Sault Ste. Marie. J. G. Sing, Confederation Life Bldg., Toronto, is Resident Engr. Fred. Gelinas, Ottawa, is Secy.

DREDGING.—Walnut, Ill.—Bids are asked until noon, June 23, by W. A. Swanson, Drainage Comr., for construction of proposed ditch in Green River Special Drainage District, requiring the removal of about 1,582,879 cu. yds. of material. A. H. Bell is Engr. (Advertised, Engineering News.)

DAM.—Cody, Wyo.—Bids are asked until 2 p. m., July 10, at the office of U. S. Reclamation Service, Billings, Mont., for construction of the Corbett Dam, on the Shoshone River. The dam is to be built of reinforced concrete. E. A. Hitchcock is Secy. (Advertised, Engineering News.)

GRADING.—Townsend, Tenn.—Bids are asked until noon, June 20, by W. B. Townsend, Gen. Mgr. Little River Lumber Co., for grading about 15 miles of the company's proposed railway extension. E. W. Hess, Clearfield, Pa., is Engr. (Advertised, Engineering News.)

DREDGING.—Erie, Pa.—Bids are asked until 3 p. m., June 28, by the Commissioners of Water-Works, for excavating about 180,000 cu. yds. for settling basins, and landing the excavated material on Presque Isle. George C. Gensheimer is Secy. (Advertised, Engineering News.)

DAM.—Boise, Idaho.—The Secretary of the Interior, June 2, executed a contract on behalf of the United States with the UTAH FIREPROOFING CO., of Salt Lake City, for the construction and completion of the work provided for in Schedule 1 of the dam, main canal and embankments under the Payette-Boise project, at $158,950.

GRADING AND BRIDGING.—Tremont, La.—Bids are asked until June 25, by J. H. Scott, Ch. Engr., Tremont & Gulf R. R. Co., Tremont, La., for the grading and bridging on a 27-mile extension of this road. The approximate quantities are as follows: Embankment, 375,000 cu. yds.; excavation, 260,000 cu. yds.; bridging, 4,800 lin. ft.

DRAINAGE CANAL.—Wichita, Kans.—Bids are asked until 5 p. m., June 18, by R. N. Dorr, City Clk., for construction of drainage canal about 3 4-5 miles long, with an excavation of about 286,032 cu. yds. Specifications are on file at office of Engineering News, New York. (Advertised, Engineering News.)

CONCRETE SUPERSTRUCTURES.—Cornwall, Ont.—Bids are asked until June 15 by the Dept. Railways and Canals, for constructing concrete superstructures for the wooden piers at the entrance to Murray Canal, and reinforced concrete bridges to span the opening between the piers. L. K. Jones, Ottawa, is Secy.

PIERS.—Philadelphia, Pa.—Bids are asked until 11 a. m., June 30, by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for extensions of Piers 2 and 3 at the League Island Navy Yard. Specifications are on file at office of Engineering News, New York. Mordecai T. Endicott is Chief of Bureau.

TUNNEL.—Boston, Mass.—The following bids have been received by the Boston Transit Commission, 15 Beacon St., for supplying 342,500 lbs. of steel for section ten of the Washington St. tunnel: American Bridge Co., 42 Broadway, New York, $4.10 per 100 lbs., delivery Oct. 4; Canton Bridge Co., Canton, Ohio, $3.50 per 100 lbs.; New England Structural Co., Boston, $3.24 per 100 lbs., delivery Aug. 4.

CANAL.—Boise, Idaho.—The Secretary of the Interior has executed a contract in behalf of the United States with WILLIAM H. THOMPSON, for the construction and completion of the work provided for in Schedule 1, main canal, Payette-Boise project, at $93,325, and with PAGE & BRINTON, of Salt Lake City, for the construction and completion of the work provided for in Schedules 2 and 3, main canal, Payette-Boise project, at $135,900.

ELECTRICAL MACHINERY.—New York, N. Y.—The following bids were received by the Bureau of Yards and Docks, Navy Department, Washington, on June 2, for two motor generator sets for the Brooklyn Navy Yard: Crocker-Wheeler Co., Ampere, N. J., (item 2), $10,080; Westinghouse Electric & Mfg. Co., 1509 Continental Trust Bldg., Baltimore, Md. (item 1), $10,674; General Electric Co., Schenectady, N. Y. (item 1), $11,994, (item 2), $9,994. Mordecai T. Endicott is Chief of Bureau.

SUBWAY.—New York, N. Y.—Randolph Guggenheimer, P. A. Whitney, and R. B. Moffatt, as commissioners appointed to inquire into the routes for the new West Side subway, have filed a report recommending

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AUTOMATIC COUNTERS.—Philadelphia, Pa.—A. F. Nims, C. E., writes us that he desires information relative to automatic counters.

ELECTRIC CIGAR LIGHTERS.—Allentown, Pa.—L. F. Grammes & Sons write us that they desire to purchase electric light fixtures for lighting cigars.

DREDGES.—Indianapolis, Ind.—We are officially informed that W. A. Heckard, 709 Tract Bldg, Indianapolis, Ind., is in the market for dredges for gold placer mining.

CONCRETE BLOCK MACHINES.—New York, N. Y.—Neuss, Hesslein & Co., 43 White St., New York, inform us that they desire information relative to concrete block machines.

WIRE TWISTING MACHINE.—Carreno, Cuba.—Ceasar Gutierrez, Carreno, Cuba, writes us that he is in the market for a wire twisting machine for the manufacture of woven wire bed springs.

ELECTRIC LIGHT PLANT.—Dunnillon, Fla.—T. W. Thompson, Engr., Dunnillon, Fla., informs us that the above town is in the market for an electric light plant of about 450 16-c. p. lamps and gasoline engine.

PUMPS.—Santa Clara, Cuba.—J. Agramonte, Ch. Engr., Public Works, Province of Santa Clara, Cuba, informs us that he desires information relative to apparatus designed to pump water from a gang of wells.

BOILER SHOP EQUIPMENT.—Philadelphia, Pa.—The Just Manufacturing Co., 512 Heed Bldg., Philadelphia, informs us that it is about to equip a boiler shop, and desires prices and catalogues of such equipment.

ENGINEERS' SUPPLIES, ETC.—New York, N. Y.—We are in receipt of a letter from F. P. Mendes & Co., Produce Exchange, New York, in which they state they desire a list of responsible firms manufacturing engineers' supplies.

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the suggested plans. According to this, the subway will run from Battery Park along Greenwich St. and West Broadway to Chambers St., where it will send one branch up Seventh and another up Eighth Ave. The cost is estimated at $40,742,500 for construction and about $15,000,000 for equipment. Four years are thought to be needed for the building of this subway.

PIER.—New York, N. Y.—The following are the bids opened on May 25 by the Dept. of Docks and Ferries, New York City, for furnishing materials and building a new pier, with appurtenances, at foot of Canal St., Stapleton, Staten Island: Lawler Bros. Construction Co., Grand Union Hotel, $143,680; W. H. Jenks, 129 Pearl St., $154,623; G. B. SPEARIN, 17 Patty Place, $138,029 (awarded contract); R. P. & J. H. Staats, 29 Broadway; $159,750; B. Rolf, 39 Cortlandt St., $140,033; N. Y. State Construction Co., 78 Broad St., $140,087; Butler Bros. Construction Co., 1170 Broadway, $160,000; Phoenix Construction & Supply Co., 41 Park Row, $154,597; Aug. Walsh, 96 Water St., $150,600.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

STEEL BARGES, Panama.—Bids are asked until June 8 by the Isthmian Canal Commission for six steel dump barges. The Commission has rejected the bids opened May 21, on the ground that there was not sufficient competition.

FLAT CARS.—Panama.—The Isthmian Canal Commission has awarded contract for flat cars for the Panama Railroad, as follows: SOUTH ATLANTIC CAR & MFG. CO., Waycross, Ga., 300, at $1,129 each, and AMERICAN CAR & FOUNDRY CO., New York, 700, at $1,145 each.

DREDGING PLANT.—Matanzas, Cuba.—Bids are asked by Salvador Guastella, Ch. Engr., Province of Matanzas, for the supply of a dredging plant for the Dept. of Works at the port of Cardenas; also for the construction of 4,745 meters of telford macadam road on the road of Cardenas and Varadero; appropriation, $37,500.

AIR COMPRESSORS.—Panama.—Bids are asked until 2.30 p. m., June 11, by D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Commn., Washington, D. C., for six duplex steam and compound air compressors, with steam cylinders 18 ins. in diameter, 24-in stroke, high pressure air cylinder, the same, and low pressure air cylinder 29 ins. in diameter, 24-in. stroke. Capacity, 2,500 cu. ft. per minute, when running at normal speed of 137 revolutions per minute.

ENGINEERING SUPPLIES.—Panama.—Bids are asked until 10.30 a. m., June 18, by D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Commn., Washington, for furnishing a variety of supplies, of which the following are of interest to engineers: 400 car wheels, 200 axles, car replacers, track jacks and tools, bolts, spikes, nails, 52,000 ft. galvanized-iron pipe and fittings, steam separators and traps, water columns, etc.

RAILWAYS.—Island of Luzon, P. I.—Though final action has not as yet been taken, it is understood that the Philippine Government, acting through the Bureau of Insular Affairs, War Department, will award to SPEYER & CO., 24 Pine St., New York, the concession for the construction and operation of 598 miles on the island of Luzon, including the 208 miles now under operation as the Manila Railway Co., excepting the Dagupan-Laoag Line. The 390 miles to be constructed include Manila to Batangas, with branches from Calamba to Santa Cruz (five miles), and Santo Tomasio to Lucena (47 miles), a total of 147 miles; from Pasacao to Ligao, Ligao to Tabaco, Ligao to Legaspi, total of 124 miles; Dagupan to Camp No. 1 (25 miles). branches from the Manila-Dagupan line as follows: From Manila to Cavite and Naig (29 miles); from San Fernando to Florida Blanca (14 miles); from Dau to San Pedro Magalang (nine miles); from San Miguel to La Paz (ten miles); from Moncado to Humingan (24 miles); and a branch from Mariquina to Montalban (eight miles). Bids were opened Dec. 15, for the construction of the Philippine Railways, but the three bids received were rejected and were again called for on Jan. 20. Two bids were received, one from a New York syndicate, represented by J. G. White & Co., to whom award was made for the railway on the southern islands, and Speyer & Co. Full information regarding the contract between Speyer & Co. and the Philippine Government will be forthcoming as soon as final action is taken by the War Department, probably in a few days.

CEMENT.—Panama.—Bids were opened May 31 at the office of D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for 20,000 bbls. of Portland cement. The following bids were received: American Trading Co., 25 Broad St., New York, $40,050; 375 lbs. net to barrel; "Pyramid" or J. G. White & Bros. brand. Atlas Portland Cement Co., 30 Broad St., New York, $41,800; 380 lbs. net; "Atlas" brand. J. K. Joyce, 161 Dearborn St., Chicago, $57,400; 380 lbs. net; brands: "Vulcanite," "Atlas," "Sayloss," "Booneville," "Northampton," "Alpha," "Lehigh," "Nazareth," "Bath," "Edison" and "Penlynn." Ladenburg, Thalman & Co., 25 Broad St., New York, "Germania" (German) brand, $45,600; 375 lbs. net. Linehan & Molo, Dubuque, Iowa, "Isthmian" (German) brand, $35,600; 375 lbs. net. Motley, Green & Co., 66 Broad St., New York, $42,400; makers, Martin, Earle & Sons. United Building Material Co., 320 Broad St., New York, $42,800; "Giant" brand; 400 lbs. gross. Carr Bros., 32 Broadway, New York, Agents for Wouldham Cement Co., London, $42,200, Colon; $53,600, La Boca; 375 lbs. net; "Red Cross" brand. Thomas H. Phillips, Galveston, Tex. (bid withdrawn), $38,000; 375 lbs. net; brands: "Pyramid," "Double Anchor," "Hoxter," "Elsa," "Colonia."

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

RAILROAD.—Equador.—Contracts have been let for constructing a railroad from Manta to Santa Ana, the road to be completed by 1908.

RAILROAD.—Nicaragua.—We are advised by Edwin W. Trimmer, American Consul at Cape a Dive, that a 50-mile railroad is to be constructed by the U. S. & Nicaragua Co.

WATER-WORKS.—Rio Grande do Sul, Brazil.—Bids are asked until noon, Oct. 15, by the President of the Municipality, for waterworks and drainage systems in the City of Rio Grande do Sul, Brazil.

RAILWAY.—Peru.—The Peruvian Government has a corps of engineers under El Senor Dario Valdizau making studies for rebuilding the Pacasmayo Ry. from Youan to Magdalena, a distance of about 40 miles.

RAILROAD.—Valparaiso, Chile.—It is reported that about $10,706,000 will be expended for railroad construction, and about $7,300,000 for protection from inundations in the rainy season at Valparaiso.

RAILROAD.—Sweden.—The capital for the proposed new line of railway along the coast between Gefle and Hernosand has been secured, and it is expected that building operations will be commenced this summer.

LOCKS.—South Australia.—The first of a series of locks to render the River Murray navigable at all seasons, is about to be constructed near Overland Corner. Preliminary surveys are nearly completed and bids for the work will shortly be asked.

LEVELLING.—Egypt.—Bids are asked by the Anglo-Egyptian Land Alltoment Co., for levelling one sq. mile of sand hills at the north of Famagusta Harbor, Cyprus. Bids are to be sent to B. G. Amirayau, Mgr. Cyprus Agricultural Bank, Famagusta, Cyprus. (Advertised, Engineering News.)

DOCKS.—Bordeaux, France.—We are advised by D. I. Murphy, the American Consul at Bordeaux, France, that docks to cost about $2,600,000 are to be constructed there. A railroad, eight miles long, has been planned, to run from Bordeaux and to connect with the Medoc R. R. and the new docks.

LOCOMOTIVES AND CARS.—Siam.—Bids are asked until 10 a. m., Sept. 12, by L. Weiler, Dir. Gen. Rys., Bangkok, Siam, for nine passenger locomotives and seven goods locomotives. (Advertised Engineering News.)

Bids are asked until 10 a. m., Sept. 4, by L. Weiler, Dir. Gen. Rys., Bangkok, Siam, for supplying 67 passenger, seven baggage and 265 freight cars. (Advertised Engineering News.)

Bids are asked until 10 a. m., June 12, by L. Weiler, Dir. Gen. Rys., Bangkok, Siam, for supplying ballast. Bids may be submitted by telegraph, A B C code, fifth edition, to be used. (Advertised Engineering News.)

ARTESIAN WELLS.—Egypt.—Bids are asked until Aug. 1, by the Anglo-Egyptian Land Allotment Co., Famagusta, Cyprus, for boring artesian wells at Larnaca and Famagusta. The price to be stated in shillings per ft. for the first, second and third 1,000 ft. W. Willcocks is Agt. (Advertised Engineering News.)

RAILWAY.—San Domingo.—We are officially advised that the Santo Domingo Syndicate Co. contemplates building a railroad about 40 miles long, from Santo Domingo City to the copper mines at San Cristobal. Contracts will be let soon. E. A. Blanton, Jr., Philadelphia Bourse, Philadelphia, Pa., is Consult. Engr.

RAILWAY CONSTRUCTION.—South Australia.—A line is about to be constructed from Port Lincoln, extending 60 miles inland, with jetty and wharf accommodation at the Port Lincoln terminus. The gage will be 3 ft. 6 ins., laid with 60-lb. steel rails, and the work will be carried out by the South Australian Railway Department,

CABLE.—U. S .of Colombia.—A cable concession has been granted to Francisco J. Fernandez, of Colombia, giving him rights to connect Colombia with the other countries of the world. It is reported that Mr. Fernandez's intention is to sell the concession or to employ foreign capital. Pierre P. Demers is American Consul at Barranquilla, Colombia.

PORT-WORKS.—Italy.—It is reported that negotiations are being entered into by a company having a capital of about $11,580,000 for the purchase of land at Vado, for the purpose of constructing docks, etc., and of converting the roadstead into a port. It is further proposed to build a railway from Vado to St. Joseph, where it would join the line from Turin to Alessandria.

CANAL.—Russia.—The survey for the Emperor Nicholas II. Canal, to connect the Black Sea with the Baltic Sea, has been completed, and plans for the formation of a syndicate to finance the enterprise will soon be under way. The canal will be about 1,000 miles long, 75 ft. wide and 40 ft. in depth. It is estimated that it will require ten years to complete it, and the cost will be $100,000,000. Eugene Bournonville is interested.

DREDGING.—Singapore, S. S.—A plan under consideration to deepen and enlarge the Singapore harbor provides for the construction of the quay wall and reclamation at Telok Ayer, the west mole at the southern end of the reclamation, the inner south mole, and for dredging the inner basin to a depth of 18 ft., admitting of a depth of 20 ft. by further dredging. The Colonial Secretary has given notice that this work in the Straits Settlements, will be done, regardless of expense.

RAILROAD TUNNEL.—New Zealand.—Bids are asked until noon, June 30, by the High Commissioner for New Zealand, Westminster Chambers, 13 Victoria St., London, S. W., for constructing a tunnel about five miles long, at Arthur's Pass, through the dividing range between Canterbury and Westland, on the New Zealand Midland Ry. Plans, specifications and bidding sheets are on file at the office of Engineering News, New York and Chicago. P. S. Hay is Ch. Engr. (Advertised Engineering News.)

RAILWAYS.—Syria.—In connection with the increased commercial prospects of the port of Haifa, Asiatic Turkey, the British Consul at Beirut reports that the freight depot at Beirut, destined for the Hedjaz Ry., is now being transferred to Haifa, and in future all the material required for the line will be landed at that place. Haifa, he says, has every prospect of becoming a large shipping port with the opening up of the railway to the Hauran and Damascus. Attention is now being given to the harbor question, and the realization of this part of the enterprise will not be long delayed. Orders have been received from Constantinople for the consruction of a railroad line to connect Acre with Haifa.

ELECTRIC ROADS.—Switzerland.—The Swiss Government has granted the following concessions: To Rudolf Furst and Guido Meyer, of Oerlikon, for construction and working of an electric railway between Uster and Pfaffikon; Kunz & Hess, of Maur, for construction and working of an electric railwey between Schwamendingen and Uessikon; the Montreux-Oberland Bernois Co., of Montreux, for the construction and working of an electric railway between Zweisimmen and Lenk; Dr. G. Reali, of Lugano, for construction and working of an electric railway between Lugano and Dino; Hans Pfyffer, of Lucerne, and Dr. Charles Odermatt, of Stans, for construction and working of a funicular railway between Matt and Burgenberg.

CIVIL SERVICE EXAMINATIONS

TESTING ENGINEER.—Washington, D. C.—An examination will be held on June 27 by the U. S. Civil Service Commission to secure eligibles to fill at least three or four vacancies in the position of engineer of timber tests in the Forest Service, at $1,000 a year each, and similar vacancies as they may occur in any branch of the service. Age limit, 20 years. Application form 1,312, amended.

ARCHITCTURAL DRAFTSMAN.—Philippine Islands.—An examination will be held on July 5-6, by the U. S. Civil Service Commission to secure eligibles to fill a vacancy in the position of architectural draftsman (male) in the Philippine Service, at $1,800 a year, and other similar vacancies as they may occur in that service. Men only will be admitted to this examination. Age limit 18 to 40 years. Application forms 2 and 375.

RAILROAD TRANSPORTATION AGENT.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on July 5, 1906, to secure eligibles to fill a vacancy in the position of railroad transportation agent in the United States Geological Survey, Department of the Interior, at $2,000 a year, and vacancies as they may

occur in any branch of the service requiring similar qualifications. Age limit, 20 years. Application form 1312, amended.

ARCHITECTURAL AND BRIDGE DRAFTSMAN, BRIDGE DESIGNER AND RODMAN.—Albany, N. Y.—Examinations will be held on June 30, by the New York State Civil Service Commission, for the positions of architectural draftsman, at $15 to $25 a week; bridge designer, at $1,500 to $1,800 a year; bridge draftsman, at $1,200 to $1,500 a year; rodman, at $3.50 a day. Charles S. Fowler is Ch. Examiner. The last day for filing applications is June 25. (Advertised, Engineering News.)

MECHANICIAN.—Mount Weather, Va.—The U. S. Civil Service Commission announces the postponement to June 20-21, 1906, of the examination scheduled to be held on May 23-24, to secure eligibles to fill a vacancy in the position of skilled mechanic, $1,200 a year, for service in the Weather Bureau at Mount Weather, Va., and vacancies as they may occur in any branch of the service requiring similar qualifications. As the Commission has experienced considerable difficulty in securing applicants for this examination qualified persons are urged to apply therefor. Age limit, 20 years. Application form 1,093.

MEDICAL INTERNE.—Washington, D. C.—The U. S. Civil Service Commission announces the postponement to July 5-6, 1906 (in view of the small number of applications filed), of the examination scheduled for June 6-7, to secure eligibles to fill at least two vacancies at $600 a year each, with maintenance, in the position of medical interne, Government Hospital for the Insane, Washington, D. C., and vacancies as they may occur in any branch of the service requiring similar qualifications. The Department states that it reserves the right to continue or terminate appointment at the end of one year, or to promote the appointee at the expiration of that length of service. Age limit, 20 years. Application form 1312.

GENERAL MECHANIC.—Seger Agency, Okla.—An examination will be held on June 27 by the U. S. Civil Service Commission to secure eligibles to fill a vacancy in the position of general mechanic, at $780 a year, at Seger Agency, Okla., and vacancies as they may occur in any branch of the service requiring similar qualifications. The appointee to the specific vacancy mentioned should have knowledge of steam and gasoline engines, pipe fitting, blacksmithing, and work of a general mechanical nature. Applicants must indicate clearly in their applications the character and extent of all such experience they have had. No educational test will be given, and it will not be necessary for applicants to appear at any place for examination. Age limit, 20 years. Application form 1,093.

CIVIL ENGINEER AND SUPERINTENDENT OF CONSTRUCTION.—Hot Springs, Ark.—The U. S. Civil Service Commission announces an examination on July 5-6, 1906, to secure eligibles to fill a vacancy at $1,500 a year, in the Quartermaster's Department at Large, at each of the following-named places, and vacancies as they may occur in any branch of the service requiring similar qualifications: Hot Springs, Ark., Fort Crook, Nebr., Fort Adams, R. I., Fort Douglas, Utah, St. Paul, Minn., for duty at Fort Snelling, Fort Lawton, Wash., Fort McPherson, Ga., Fort Hunt, Va., and Fort Washington, Md. As the Commission has experienced considerable difficulty in securing applicants for this position to meet the needs of the service, qualified persons are urged to enter this examination. Age limit 20 years. Application form 1312.

HOSPITAL INTERNE.—Panama.—An examination will be held on July 5-6, by the U. S. Civil Service Commission to secure eligibles to fill vacancies in the position of hospital interne (male) under the Isthmian Canal Commission, on the Isthmus of Panama, as they may occur. As an insufficient number of eligibles to meet the needs of the service resulted from the examination held on December 6-7, 1905, for this position, qualified persons are urged to enter this examination. Men only will be admitted to this examination, for which two days will be required. Each applicant for the Isthmian Canal Service will be required to submit to the examiner, on the day he is examined, a recent photograph of himself, taken within three years, which will be filed with his examination papers, as a means of identification in case he receives the appointment. An unmounted photograph is preferred. The date, place, and name of examination, the examination number, the competitor's name, and the year in which the photograph was taken should be indicated on the photograph. Age limit, 20 to 30 years on the date of the examination; salary, $100 per month, with quarters, but without board and washing. Only graduates of reputable medical schools having not less than a three years' course will be admitted to this examination. Application form 1312.

ENGINEERING MATERIAL PRICES.

TRACK FASTENINGS—
Pittsburg f. o. b. cars—Angle bars, 1.50 to 1.75 cts.; spikes, 2.10 cts.; bolts, square nuts, 2.55 to 2.60 cts.; bolts, hexagonal nuts, 2.70 to 2.75 cts.

RAILS, STEEL—
New York—at mill—New standard sections, $28, standard, second quality, $27; light sections, 12 to 25 lbs., $26 to $35; old iron, f. o. b. New York, $20 to $21; old steel, long lengths, $16.50 to $17; old steel, short pieces, $15 to $16.
Pittsburg—Standard sections, at mill, $28, standard, second quality, $27; light rails, 12 to 25 lbs., $27 to $35.

STRUCTURAL MATERIALS—
New York—at tidewater—Beams and channels, up to 15-in., 1.84½ cts.; over 15-in., 1.84½ cts.; angles, 3 × 2 and up to 6 × 6, 1.84½ cts.; zees, 3-in. and larger, 1.89½ cts.; tees, 3-in. and larger, 1.89½ cts.; steel bars, half extras, 1.74½ cts.

PLATES AND SHEETS—
New York—at tidewater—Sheared plates, tank, 1.74½ to 1.82½ cts.; flange, 1.84½ to 1.94½ cts.; marine, 2.04½ to 2.24½ cts.; still bottoms, 2.04½ cts.; fire box, 2.24½ to 3.05 cts.
Pittsburg—Tank, ¼-in. thick and heavier, 1.60 cts.; black sheets, 27 gage, 2.30 to 2.35 cts.; black sheets, 28 gage, 2.40 to 2.45 cts.

IRON—
Pig Iron:
New York tidewater—No. 1 X Foundry, Northern, $18.50 to $19; No. 2 X Foundry, Northern, $18 to $18.50; No. 2 Plain Foundry, $17 to $18; Gray Forge, Northern, $16.50 to $17; Basic, Northern, $18 to $18.25; Basic, Alabama, $18.50. Basic, Virginia, $19.10; No. 1 Virginia Foundry, $18 to $18.50; No. 2 Virginia Foundry, $17.50 to $18.10; No. 1 Foundry, Southern, $18 to $18.50; No. 2 Foundry, Southern, $17.50 to $18; No. 3 Foundry, Southern, $17 to $17.50; No. 4 Foundry, Southern, $16.50 to $17; No. 1 Soft, Southern, $18 to $18.50; No. 2 Soft, Southern, $17.50 to $18; Gray Forge, $16.50 to $17; Mottled, $15.75 to $16.
Chicago—Lake Superior Charcoal, $19.25 to $20; Northern Coke Foundry, No. 1, $19.25 to $19.50; Northern Coke Foundry, No. 2, $18.75 to $19; Northern Coke Foundry, No. 3, $18.25 to $18.50. Northern Scotch, No. 1, $19.75 to $20; Ohio Strong Softeners, No. 1, $19.30 to $19.55; Ohio Strong Softeners, No. 2, $18.80 to $19.05; Southern Coke, No. 1, $18.25 to $18.40; Southern Coke, No. 2, $17.65 to $17.90; Southern Coke, No. 3, $17.15 to $17.40; Southern Coke, No. 4, $16.65 to $16.90; Southern Coke, No. 1 Soft, $18.15 to $18.40; Southern Coke, No. 2 Soft, $17.65 to $17.90; Southern Gray Forge and Mottled, $16.15 to $16.40; Malleable Bessemer, $18.30 to $18.80; Standard Bessemer, $19.30 to $19.55; Jackson Co. and Kentucky Silvery, 6%, $20.30 to $20.80; Jackson Co. and Kentucky Silvery, 8%, $21.30 to $21.80; Jackson Co. and Kentucky Silvery, 10%, $23.30 to $23.80.
Pittsburg, f. o. b. cars—No. 2 Foundry, $18.35; Gray Forge, $17.35; Bessemer Iron, $18.60; Ferro-Manganese, $125 to $160; Muck Bars, $32. Iron Bars, $1.25 to $2.

Cast-Iron Pipe.
New York—Carload lots, net tons, 6-in., at tidewater, $30.50.
Chicago—4-in. water pipe, $31; 6-in. and larger, $30; with $1 extra for gas pipe.

MISCELLANEOUS MATERIALS—
Asphaltum:
Ventura and other California asphalts, $19 to $21 per ton at New York; Trinidad refined, $20 to $25 per ton; Venezuela asphalt, $25 to $30 per ton; Bermuda asphalt, $25 to $30.

Cement:
Rosendale or Natural, in wood, 95 cts. per bbl.; Portland domestic, in sacks, $1.20 to $1.30; in wood, $1.50 to $1.60; German Portland, $1.90 to $2.10.

Copper:
Lake, 18.75 to 18.87½ cts.; electrolytic, 18.37½ to 18.62½ cts.; casting, 18.25 to 18.37½ cts.

Lead:
New York, spot, 5.85 to 5.95 cts.

Spelter:
New York, spot, 5.87 to 5.95 cts.

Tin:
New York, spot, 40.50 to 41 cts.

Tar:
New York, $5 to $5.50 per bbl.

Pitch:
New York, $3 to $3.20 per bbl.

LUMBER—
New York, wholesale prices:
Piling—Spruce, ordinary cargoes, 6 to 7 cts.; oak, 14-in. butt, 40 to 50 ft., 19 cts.; 50 to 55 ft., 22 cts.; 55 to 60 ft., 23 cts.; 60 ft. and up, 25 cts.; pine, 60 to 65 ft., $8.50; 65 to 70 ft., $9.50; 70 to 75 ft., $10.50. 80 ft. and up, $16.
Railroad ties—Yellow pine, 6 × 9 ins. × 8 ft., 67 to 69 cts.; 6 × 8 ins. × 8 ft., 62 to 64 cts.; 7 × 9 ins. × 8 ft., 75 to 77 cts.; 7 × 8 ins. × 8½ ft., 74 to 75 cts.; 7 × 9 ins. × 8½ ft., 79 to 80 cts.

INDUSTRIAL NOTES.

HARRY W. PICKETT (Railway Equipment and Supplies), Pittsburg, Pa., informs us that he has opened a branch office at 310 Krise Building, Lynchburg, Va.

THE DE LA VERGNE MACHINE CO. has the contract for the installation of two 125-HP. "Hornsby-Akroyd" oil engines for the Massachusetts Talc Co., Boston, Mass.

TOLEDO & CHICAGO CONSTRUCTION CO., Kendallville, Ind., has installed a 12-ton Northern traveling crane, manufactured by the Northern Engineering Works, Detroit.

THE NATIONAL BRAKE & ELECTRIC CO., of Milwaukee, Wis., with a capital stock of $1,000,000, has been incorporated as the successor of the National Electric Co., and will carry on the business of manufacturing electrical machinery and apparatus and the Christensen air brake for electric cars.

THE FAIRBANKS-MORSE CO. reports the sale of a 500-per-day capacity cyanide gold mill. The entire plant will be operated by Fairbanks-Morse direct-current dynamos and motors, driven by water power, a 240-ft. head of water being available at this point. The mill will be near Boulder, Colorado, and will contain many features of novelty and interest.

THE NORTHWESTERN CAR & LOCOMOTIVE CO., Monadnock Block, Chicago, has bought the works of the Chicago Car & Locomotive Co., at Hegewisch, Ill., and will undertake the repair and rebuilding of railway equipment, as well as dealing in second-hand rolling stock, equipment and machinery. President, C. H. Wilcox; Secretary, H. W. Buckingham.

THE MICHIGAN WAGON & MFG. CO., Jackson, Mich., has purchased the plant of Austin, Thomson & Webster (the Jackson Wagon Co.), which was established in 1848, and will manufacture dumping wagons for contractors and general use, under the patents of Mr. A. Cameron, president of the company. With the plant there was a large amount of well-seasoned lumber for wagon stock, so that the company will be able to turn out wagons in large numbers. The company reports business as being good, and it is now filling a $10,000 order for J. D. McArthur, railway contractor, of Winnipeg, Manitoba. It is also making shipments to contractors on the extensions of the Chicago, Milwaukee & St. Paul Ry., in North Dakota. In addition to the wagons, the company is also manufacturing well-drilling plants.

THE WESTINGHOUSE MACHINE CO., of East Pittsburg, Pa., has recently received an order from the Portsmouth Street Railway & Lighting Co., to install in its plant at Portsmouth, Ohio, a 500-KW. turbine. The turbine is to be of the multiple expansion parallel flow type, and direct-connected to a 500-KW., 60-cycle, two-phase 220-volt Westinghouse generator. The Portsmouth Railway plant is located at the eastern suburbs of the city upon a large property owned by the company, which has been improved for a railway park. Two 400-KW. Westinghouse-Parsons turbines are already operating at this plant, serving the entire city with light and power. The plant was built entirely for turbine machinery. superheated steam and high vacuum are used, condensing water being obtainable from an artificial lake which has been constructed upon the property. A rotary converter in the plant serves the nearby traction lines with 500-volt direct current, but the main power is transmitted over high tension A. C. lines into the city and outlying districts. Steam turbines of the same make as installed at Portsmouth have been adopted by the Durham Traction Co., Durham, N. C., and the Columbia Electric Street Railway Co., Columbia, S. C., for traction service.

THE FORT PITT MALLEABLE IRON COMPANY, of Pittsburg, Pa., has enlarged its plant at McKees Rocks, Pa., and is now building additional annealing ovens to provide a capacity of 1,100 tons per month. Having discontinued the grey iron business, the firm has dropped that portion of its old name, and are exclusively confining themselves to the manufacture of malleable castings.

THE MISSOURI SUPPLY & EQUIPMENT COMPANY, Lincoln Trust Bldg., St. Louis, has been formed for the purpose of doing a general contractors' railway supply and equipment business. They now have on hand several hundred second-hand and rebuilt cars of various descriptions, from dump cars to coaches. Also a large line of rebuilt locomotives, several steam shovels, ties and relaying rails, as well as new Continental dump cars for immediate shipment.

THE LIMA LOCOMOTIVE & MACHINE CO. reports the following list of sales for the week ending May 26: C. A. Goodyear Lumber Co., Tomah, Wis., one 45-ton shay; Lewisburg & Ronceverte Electric Ry., Lewisburg, W. Va., two 45-ton shays; Grant Land & Lumber Co., Selma, La., one 37-ton shay; Title Guarantee & Trust Co., Tampa, Fla., one 14 × 20 Mogul; Culbreath Logging Co., Huttig, Ark., one 37-ton shay; Flint, Erving & Stoner Lumber Co., Dunlevie, W. Va., one 65-ton shay.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 218.

WASH BORINGS.

Baltimore, Md.

Sealed proposals, endorsed "Proposals for Making Wash Borings," addressed to the Board of Awards of Baltimore City, will be received at the office of Harry F. Hooper, Esq., City Register, City Hall, Baltimore, Md., until 11 a. m. Wednesday, June 20, 1906, for making wash borings upon lines of proposed sewer routs in Baltimore City, also wash borings upon lines of proposed sewer routes passing through Baltimore County, for the Sewerage Commission of the City of Baltimore.

Specifications can be obtained upon application, at the office of the Sewerage Commission, Room 904 American Building, Baltimore, Md., on and after Thursday, June 7th, 1906.

A certified check for $150, made payable to the order of the Mayor and City Council of Baltimore, must accompany each proposal.

The successful bidder will be required to give bond and comply with the City Charter respecting contracts.

The Board reserves the right to reject any and all bids.

By order of the Sewerage Commission.

PETER LEARY, JR., Chairman.
HARRY W. RODGERS, Secretary.

Approved:
E. CLAY TIMANUS, Mayor. 23-1t

FORT DUPONT, DELAWARE CITY, DEL., May 21, 1906.—Sealed proposals, in triplicate, will be received here until 11.00 a. m. June 22, 1906, for installing steam heating plant in administration building, Fort Du Pont, Del. Information furnished upon application. U. S. reserves the right to accept or reject any or all bids or any part thereof. Envelopes containing bids should be endorsed "Proposals for Heating Plant" addressed Captain LOUIS F. GARRARD, JR., Q. M. 23-2t

WOOD-STAVE [illegible]DUIT AND RESE[illegible]R.

[illegible] Point, N. J.

Sealed proposals, [illegible] construction of a wood-stave condu[illegible] reservoir for supplying the manufactu[illegible] of the E. I. duPont Company a[illegible]'s Point, New Jersey, with water, [illegible] be received by William G. Ramsay [illegible] Engineer, up to 12 o'clock M. of th[illegible]-ninth day of June A. D. 1906. Pr[illegible] to be addressed to the Chief Engin[illegible] endorsed "Proposals for Building C[illegible] and Reservoir."

The work to be do[illegible] consists of building approximately 19,850 feet of wood-stave pipe 24 inches [illegible] diameter, 1,459 feet of Locking Bar steel [illegible] inches in diameter, with valves, g[illegible] houses and other appurtenances; and th[illegible] clearing of reservoir site, building concrete [illegible] way with sluice gates and strengthe[illegible] reservoir embankment. The work wil[illegible] let in one contract. Each proposal [illegible] be accompanied with a certified check [illegible] the sum of Three Thousand Dollars ($3,000), made payable to the E. I. duPont Company.

Specifications, blank [illegible] forms of proposal and plans can be obta[illegible] of the Chief Engineer, plans to be retu[illegible] with proposal. The right is reserved [illegible] reject any or all bids.

WILL[illegible] G. RAMSAY,
Chief Engineer.
23-3t Wilmington, Delaware.

PUMPING ENGINE.

Pawtucket, R. I.

The Department of Public Works of the City of Pawtucket, R. I., will receive sealed proposals for furnishing, delivering and erecting a high duty pumping engine of a capacity of fifteen million gallons in a new engine room to be constructed by the Department within the city limits. Specifications may be obtained by addressing George A. Carpenter, City Engineer, Pawtucket, R. I., but will be given only to manufacturers of pumping engines of the class and capacity specified above, or their special agents. Proposals are to be filed with the Department in the manner stated in the specifications, on or before Monday noon, July 9th, 1906. The right to reject any or all bids or to accept any bid is reserved by the city.

WILLIAM H. BARCLAY,
Commissioner of Public Works.
PERCY M. BLAKE, Consulting Engineer,
Newtonville, Mass.
23-3t Pawtucket, R. I., June 6, 1906.

PAVING.

Van Buren, Ind.

Sealed proposals for the construction of approximately 20,000 yds. of pavement with accessories, will be received by the Board of Trustees until 8 p. m., June 12. Plans and specifications are on file in the City Clerk's office and with the Riggs and Sherman Co., Engineers, No. 613 The Nasby Building, Toledo, Ohio.

W. A. PAXTON,
23-1t City Clerk.

PROPOSALS FOR SANITARY FIXTURES, Soil Pipe and Fttings, Lead Pipe and Fittings, Bath-tub Plugs, Plumber's Gasoline Furnaces, Solder Pots, Engine Governors, Gauges, Indicators and Attachments, Valves, Cocks, Pulleys, Cord, Boxwood Scales, Indicator Cards, Planimeter, Punching and Shearing Machine, Wire Screening, Black Oil, Car Oil, Neat's-foot Oil, White Lead, Steel Butts, Office Safes, Chairs, Lumber, Horses, Etc. Office Isthmian Canal Commission, Washington, D. C., June 5, 1906. Sealed proposals, in triplicate, will be received at the office of the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 a. m., June 25, 1906, at which time they will be opened in public, for furnishing the above-mentioned articles. Blanks and full information (Circular No. 312) may be obtained from this office or the offices of the Assistant Purchasing Agents, 24 State Street, New York City; Custom House, New Orleans, La.; 36 New Montgomery Street, San Francisco, Cal.; and 410 Chamber of Commerce Building, Tacoma, Wash.; also from Chief Quartermaster, Department of the Lakes, Chicago; Depot Quartermaster, St. Louis; Depot Quartermaster, Jeffersonville, Ind.; Chief Quartermaster, Department of the Gulf, Atlanta, Ga.; and the Commercial Club, Mobile, Ala. D. W. ROSS, General Purchasing Officer. 23-2t

TREASURY DEPARTMENT.—Office of the Supervising Architect, Washington, D. C. June 5, 1906.—Sealed proposals will be received at this office until 3 o'clock p. m. on the 2d day of July, 1906, and then opened, for the enclosures for Mail Conveyors, in the U. S. Post Office, Court House, Etc., Building at Chicago, Illinois, in accordance with drawings and specifications, copies of which may be had at this office, or at the office of the Custodian, at Chicago, Illinois, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 23-2t

NOTICE TO CONTRACTORS.

STATE OF … W YORK, OFFICE OF THE STATE ENGINEER AND SURVEYOR, Albany.—… ant to the provisions of chapter 115 of the Laws of 1898, as amended, sealed propos… be received by the undersigned, at his office in the State Hall, Albany, N. Y., on Th… the 28th day of June, 1906, at 12 o'clock noon, for the improvement of the following … highways:

Road No.	Name … d.	County.	Miles.
157.	Woodbu… ntral Valley	Orange	3.480
158.	Northam…	Montgomery	.700
205.	Reed's … s	Ontario	2.669
208.	Cortland … mer	Cortland	.543
227.	Brunsw… rnpike	Rensselaer	3.100
228.	Saugert… Kingston	Ulster	5.660
229.	Kingsto… gh Falls	Ulster	6.930
230.	Kingsto… enville, Sec. 1	Ulster	8.270
231.	Post …	Ulster	6.890
232.	Old Sta…	Essex	2.640
233.	Frankfo… Schuyler	Herkimer	1.640
234.	Adams—… derson, Sec. 2	Jefferson	6.891
235.	Waterto… Sacketts Harbor—Henderson, Sec. 2	Jefferson	2.225
236.	Redwoo… exandria Bay, Sec. 2	Jefferson	4.188
237.	Sacketts … rbor	Jefferson	1.450
238.	Henders… Harbor	Jefferson	5.086
240.	Waterfo… Cohoes	Saratoga	1.000
241.	Saratoga … llston	Saratoga	4.355
242.	Saratoga… ens Falls, Sec. 2	Saratoga	1.250
243.	Mechan… —Stillwater	Saratoga	1.840
244.	Saratoga … nuylerville	Saratoga	6.010
245.	Coleman … ill, Sec. 1	Onondaga	1.212
246.	Glovers… —Meco—Phelps	Fulton	2.030
247.	Johnstow… Kecks Center	Fulton	4.670
248.	Glovers… —Broadalbin	Fulton	2.020
249.	Old Pla…	Fulton	3.140
250.	Utica—O… a Castle, Sec. 1	Oneida	8.53
251.	Griswol… Street	Niagara	3.147
252.	Clifton, … 2	Monroe	2.197
253.	Lyell	Monroe	2.121
254.	Chili, S… 1	Monroe	3.107
255.	Chili, Se… 2	Monroe	2.556
256.	Little R… Sec. 3	Monroe	3.601
257.	Little R… Sec. 4	Monroe	3.360
258.	Plattsbu…—Keeseville, Sec. 3	Clinton	5.440
259.	Plattsbu…—Mooers, Sec. 2	Clinton	7.340
260.	Plattsburg—Mooers, Sec. 3	Clinton	4.310
261.	Peekskill—Salem, Sec. 1	Westchester	5.380
262.	Peekskill—Salem, Sec. 2	Westchester	4.660
263.	Aurora—Buffalo, Sec. 2	Erie	4.227
264.	Aurora—Buffalo, Sec. 3	Erie	.735
265.	Deposit	Broome	2.784
266.	Tunnel	Broome	1.703
267.	Castle Creek	Broome	6.000
268.	Bridge Road	Broome	1.004
269.	Hilton	Monroe	4.300
270.	Birch Hill	Nassau	1.160
271.	Utica—Oneida Castle, Sec. 2	Oneida	8.53
272.	Orchard Park, Sec. 5	Erie	1.213
274.	Gulf Bridge	Broome	1.750
275.	Union—Maine	Broome	3.036
276.	Barnard's Crossing, Secs. 1 and 2	Monroe	4.140
277.	Lake Pleasant—Speculator	Hamilton	3.440
278.	Syracuse—Watertown	Oswego	2.410
279.	West Oswego River	Oswego	2.480
280.	Oswego—Sterling	Oswego	1.660
284.	Averill Park—Crooked Lake	Rensselaer	3.610
285.	Nassau—Brainard	Rensselaer	3.540
287.	Rensselaer—Best	Rensselaer	4.750
288.	Troy—Sand Lake, Sec. 2	Rensselaer	3.720

Sealed proposals will also be received by the undersigned at his office in the State Hall, Albany, N. Y., on Friday, the 29th day of June, 1906, at 12 o'clock noon, for the improvement of the following public highways:

Road No.	Name of Road.	County.	Miles.
289.	Crescent Avenue	Suffolk	1.910
290.	South Salina Street	Onondaga	1.062
291.	Cemetery Road	Onondaga	.889
292.	West Lake, Sec. 2	Onondaga	1.000
293.	East Lake, Sec. 2	Onondaga	1.000
295.	Mohawk River—Floyd	Oneida	2.801
296.	Mohawk River—Marcy	Oneida	4.535
297.	Mohawk River—Deerfield	Oneida	3.740
298.	Amsterdam—Hagaman	Montgomery	2.200
299.	Saulwaters Corners—Young Corners	Montgomery	2.860
300.	DeGraff Corners—Sherburne Corners	Montgomery	1.130
301.	Minaville—Scotch Bush	Montgomery	2.340
302.	Fonda—Berryville	Montgomery	2.000
303.	Fonda—Tribes Hill	Montgomery	2.210
305.	Kingston—Ellenville, Sec. 2	Ulster	7.420
314.	Gilbertsville—Mt. Upton	Otsego	4.370
315.	Morris—Gilbertsville, Sec. 1	Otsego	3.537
316.	Colliersville—Emmons	Otsego	1.260
317.	Shady Side—Otego	Otsego	2.730
318.	Colliersville—Milford Center	Otsego	2.030
319.	Schenevus—Maryland	Otsego	3.660
328.	Valley Road—Marcellus	Onondaga	1.765
329.	Valley Road—Camillus	Onondaga	2.319
330.	Skaneateles—Hamilton, Sec. 1	Onondaga	2.437
331.	Peekskill—Salem Center, Sec. 3	Westchester	3.880
332.	Peekskill—Salem Center, Sec. 4	Westchester	3.770
333.	Geneva—Canandaigua, Sec. 3	Ontario	1.090
334.	Lyons—Geneva	Ontario	1.686
335.	Victor—Mendon, Sec. 1	Ontario	5.200
336.	Cayuga Heights	Tompkins	3.165
338.	Catskill Turnpike, Sec. 2	Tompkins	1.382
339.	Georgetown	Madison	3.287
340.	Saratoga—Corinth	Saratoga	7.250
341.	Stockport—Hudson	Columbia	1.100
343.	Pawling—Patterson	Dutchess	2.230
344.	Millerton—North East Center	Dutchess	1.780
348.	Collamer	Onondaga	1.896
355.	Wellsburg	Chemung	4.512
356.	Erin—Horseheads	Chemung	9.220
357.	Grand Central Avenue	Chemung	1.486
359.	Frankfort—Utica, Sec. 2	Herkimer	1.890
360.	Poland—Cold Brook	Herkimer	.350
361.	Johnstown—Tribes Hill	Fulton	2.220
365.	Guilderland Center—Guilderland	Albany	1.900
367.	Glenmont—Feura Bush	Albany	6.820
368.	Augusta Road—Augusta Section	Oneida	3.377
369.	Augusta Road—Oriskany Falls Section	Oneida	2.985
370.	Minetto	Oswego	.479
371.	Clinton Street, Sec. 1	Erie	5.650
372.	Clinton Street, Sec. 2	Erie	6.140
373.	Goodrich	Erie	8.770
374.	Maine	Broome	3.371
375.	Barker	Broome	.618
377.	Cincinnatus	Cortland	.416
378.	McGrawville	Cortland	2.924
379.	Harford	Cortland	.913
380.	State Road—Homer	Cortland	4.386
381.	State Road—Scott	Cortland	2.720
383.	Owasco	Cayuga	2.190
384.	Fleming	Cayuga	3.165

Sealed proposals will also be received by the undersigned at his office in the State Hall, Albany, N. Y., on Saturday, the 30th day of June, 1906, at 12 o'clock noon, for the improvement of the following public highways:

Road No.	Name of Road.	County.	Miles.
386.	Five Corners—Kuckville, Sec. 1	Orleans	3.473
387.	Five Corners—Kuckville, Sec. 2	Orleans	5.801
388.	Kendalls Corners	Orleans	3.424
396.	Bristol Valley, Sec. 2	Ontario	6.680
404.	Bristol Valley, Sec. 3	Ontario	2.000
408.	Augusta—Vernon Center	Oneida	3.875
417.	Glens Falls—Lake George	Warren	7.560
418.	Lake George—Bolton Landing	Warren	9.740
420.	Vestal	Broome	3.687
423.	Watertown—Theresa, Sec. 3	Jefferson	4.193
424.	Belleville—Adams, Sec. 1	Jefferson	1.602
425.	Adams—Watertown, Sec. 2	Jefferson	3.158
426.	State, Sec. 2	Jefferson	4.047
427.	Watertown—Carthage, Sec. 2	Jefferson	5.466
429.	Thompson	Onondaga	2.829
430.	Jordan Valley, Sec. 1	Onondaga	1.716
431.	Skaneateles—Spafford	Onondaga	2.504
434.	Anandale—Bay View	Nassau	1.690
438.	Augusta (Lowell and Spencer Sections)	Oneida	5.100
446.	Cortland—Groton, Sec. 1	Cortland	1.350
450.	Phoenix—Pennellville	Oswego	1.920
452.	Cicero—South Bay	Onondaga	3.526
453.	Poughkeepsie—Hyde Park	Dutchess	4.000
454.	Ithaca	Tompkins	3.660
455.	Wyckoff	Tompkins	.340
456.	Little Falls—East Creek	Herkimer	5.390
457.	Little Falls—Herkimer	Herkimer	5.320
458.	Herkimer—Frankfort	Herkimer	3.690
459.	East Schuyler—Deerfield	Herkimer	5.530
460.	Herkimer—Middleville	Herkimer	6.300
475.	Suspension Bridge—Lewiston	Niagara	2.420
482.	Dansville—Mt. Morris, Sec. 3	Livingston	2.230
483.	Catskill Turnpike, Sec. 3	Tompkins	4.440
484.	Canandaigua—Victor	Ontario	6.790
486.	Skaneateles—West Lake, Secs. 3, 4 and 5	Onondaga	3.370
487.	Elbridge	Onondaga	3.660
505.	Norwich—North Norwich	Chenango	4.600
506.	Chittenango—Eagle Village	Madison	2.180
507.	Transit, Sec. 3	Niagara	4.680
509.	Oswego—Mexico, Sec. 1	Oswego	5.400
510.	Homer—Tully, Sec. 1	Cortland	4.170
522.	Clarence—Hunts Corners	Erie	4.750
523.	Hamburgh—North Collins	Erie	8.860
534.	Northeast Center—Sharon Station	Dutchess	3.650
535.	Cortland—Dryden, Sec. 2	Cortland	2.700
537.	Amenia—Wassaic	Dutchess	4.830
539.	Fulton—Volney	Oswego	2.090
540.	Chatham—Spencertown	Columbia	3.740
549.	Poughkeepsie—Pleasant Valley	Dutchess	6.930
551.	Fishkill—Hughsonville	Dutchess	2.910
569.	Baldwin Place—Mahopee	Putnam	5.900
577.	Schenectady—Guilderland	Schenectady	7.100
586.	E. Pembroke—Genesee	Genesee	5.58

Plans and specifications for all of the above work may be seen at the office of the undersigned. They may also be seen for all roads in the counties of Albany, Clinton, Columbia, Dutchess, Essex, Fulton, Hamilton, Herkimer, Montgomery, Nassau, Orange, Otsego, Putnam, Rensselaer, Saratoga, Schenectady, Suffolk, Ulster, Warren and Westchester at the office of the Division Engineer of the Eastern Division in the State Hall, at Albany; for the counties of Broome, Cayuga, Chenango, Cortland, Jefferson, Madison, Oneida, Onondaga, Oswego and Tompkins at the office of the Division Engineer of the Middle Division in the Weigh Lock Building, Syracuse, N. Y., and for the counties of Chemung, Erie, Livingston, Monroe, Niagara, Ontario and Orleans at the office of the Division Engineer of the Western Division in the Triangle Building, Rochester, N. Y.

The attention of bidders is called to the fact that by chapters 468 and 506 of the Laws of 1906, contracts for the improvement of highways outside the limits of a city or incorporated village are exempted from the requirements of the eight-hour law.

Proposals must be made for the completion of each road for a lump sum in accordance with the plans and specifications therefor. Each proposal must be accompanied by a New York draft or certified check payable at sight to the order of the State Engineer and Surveyor for five per cent of the amount of the proposal, which draft or check will be held by him until the execution of the contract. The successful bidder will be required to give a bond for fifty per cent of the contract price, such bond to be executed by a surety company to be approved by the State Engineer and Surveyor. Monthly payments of ninety per cent will be made as the work progresses.

Proposals for each road must be presented in a separate sealed envelope endorsed on the outside with the number and name of the road for which the proposal is made.

Specifications, bidding sheets and form of contract may be had on application to the State Engineer or the Division Engineers above mentioned.

The right is reserved to reject any or all bids.

23-3t

HENRY A. VAN ALSTYNE,
State Engineer and Surveyor.

GENERAL GRADING AND PAVING.

SEWAGE DISPOSAL WORKS.

Waterbury, Conn.

Sealed proposals for excavating soil and building embankments upon site of proposed sewage purification plant and paving a portion of the right bank of Naugatuck River, in accordance with the form of contract and specifications to be furnished by the Board of Public Works, Waterbury, Conn., will be received until 8 p. m. of the 3d day of July, 1906, at which hour the bids will be publicly opened and read.

The preliminary estimate of work to be done is as follows:

Item 1—Earth excavation: 100,000 cubic yards.

Item 2—Rock excavation: 500 cubic yards.

Item 3—Slope paving: 2,500 cubic yards.

Item 4—Riprap: 7,000 square yards.

Item 5—Overhaul, equivalent to hauled 100 ft.: 180,000 cubic yards.

These quantities are to be considered as only approximate and are given solely for the comparison of bids.

Each bid must be accompanied by a certified check for three thousand ($3,000) dollars drawn to the order of the Comptroller of the City of Waterbury, such check to be returned to the bidder unless forfeited under the conditions herein stipulated.

A bond in a sum equal to 30 per cent. of the contract price, as determined by the canvass of bids, and with an approved surety company as surety, will be required for the faithful performance of the contract.

Plans, specifications and form of contract can be seen and proposal blanks obtained by intending bidders applying in person at the office of the City Engineer, No. 9 Leavenworth St.

The time fixed for the completion of the work is November 15, 1906.

The Board reserves the right to reject any or all bids or to accept any bid, should the Board deem it to be for the interest of the city so to do.

By order of the Board of Public Works.

R. A. CAIRNS, C. E.,
City Engineer,
Waterbury, Conn.

June 5, 1906. 23-3t

BRIDGE.

Office of County Commissioners for Anne Arundel County, Annapolis, Md., May 31st, 1906.

Sealed proposals will be received by the County Commissioners for Anne Arundel County, at their office in Annapolis, Maryland, until the 19th day of June, 1906, at 11 o'clock A. M., for the furnishing and erecting of a steel highway or reinforced concrete bridge over Spa Creek, connecting Annapolis and Eastport, at the location of the present wood bridge. With each proposal shall be submitted strain sheets and full details showing the character of material and work to be furnished, and shall state the length of time required to complete the work. Specifications governing the construction of bridge are on file at the office of the Clerk to the County Commissioners. A certified check for the sum of three thousand dollars shall accompany each proposal, as a guarantee that if the contract be awarded the successful bidder will execute a bond to the amount of 75 per cent. of the contract price for the faithful completion of the work, according to accepted plans and specifications. Each proposal must be enclosed in an envelope and indorsed "Bids for Spa Creek Bridge, Anne Arundel Co., Md.," and also indorse name and post-office address. This envelope to be enclosed in another and addressed to the County Commissioners. The said proposals will be publicly opened at 12 o clock noon, June 19th, 1903, in the office of the County Commissioners. The right to reject any or all bids is reserved.

W. W. WEBB,
23-1t Clerk to County Commissioners.

SEALED PROPOSALS will be received at the office of the Light-House Engineer, Tompkinsville, N. Y., until 1 o'clock p. m., June 28, 1906, and then opened, for furnishing miscellaneous articles for the Light-House Establishment, for the fiscal year ending June 30, 1907, in accordance with specifications, copies of which, with blank proposals and other information, may be had upon application to LIEUT.-COL. WM. T. RUSSELL, Corps of Engineers, U. S. A., Engineer. 22-4t

U. S. ENGINEER OFFICE, New London, Conn., May 26, 1906.—Sealed proposals for dredging in Housatonic River, Conn., will be received here until 12 o'clock noon, June 26, 1906, and then publicly opened. Information furnished on application. HARRY TAYLOR, Maj., Engrs. 22-4t

MACADAM ROAD.

Wilmington, Del.

Sealed proposals addressed in writing to the New Castle County State Highway Commissioner and endorsed "Proposals for building a macadam road in the county of New Castle and State of Delaware, commonly called the Foulk Road, one part of which begins at the Concord turnpike and extends to the Nelson Talley crossroads, a distance of ninety-nine one-hundredths miles, and the other part of which begins at the Nelson Talley crossroads and extends to Vance's crossroads, a distance of two and thirty-nine one-hundredths miles, will be received by said Highway Commissioner at his office, No. 1009½ Market Street, Wilmington, Delaware, until 10.30 o'clock a. m. on the 19th day of June, A. D., 1906. A separate bid must be made for each section of the road. All said bids or proposals must be made upon blank forms to be obtained from said Highway Commissioner at his said office and must be accompanied with a certified check for $500, payable to the president of the Levy Court of New Castle County, or with a bond to the State of Delaware in the sum of $500 as surety that if a proposal is accepted, a contract will be entered into. Plans and specifications can be seen at the office of said commissioner or at the office of the County Comptroller of New Castle County in the Court House. The right to reject any and all bids is expressly reserved.

FRANCIS A. PRICE,
New Castle County State Highway Commissioner. 23-1t

STONE CRUSHING PLANT.

Portland, Maine.

Sealed proposals for furnishing the City of Portland, Maine, with a stone crushing plant, consisting of stone crusher, elevator, screen engine and boiler will be received by the Committee on Public Works at the office of the Secretary, City Hall, until Tuesday, June 19, 1906, when they will be publicly opened and read. Said committee reserves the right to reject any and all bids should it deem it for the interest of the city to do so. Specifications and further information and blanks on which proposals must be made may be obtained at the office of said Secretary. Bids should be marked Proposal for Stone Crushing Plant, and addressed to Secretary of the Committee on Public Works.

Per order Committee on Public Works.
WILLIAM E. CULLINAN,
23-1t Secretary.

GRADING, PAVING, ETC.

Lewistown, Pa.

The Borough of Lewistown, Mifflin County, Pennsylvania, will receive sealed bids up to June 18th for the grading, paving and curbing of Market Street from the County Bridge, Juniata St., to the Five Points (Dorcas Street), and Chestnut Street, from Dorcas St. to the eastern side of Forsythe Street of the Borough of Lewistown, Mifflin County, Pa.

APPROXIMATE QUANTITIES.
20,000 square yards paving.
6,000 feet of new curbing.
1,250 feet of retaining stone.
7,000 yards of excavating.

Plans and specifications can be seen at the office of Wm. P. Moore, Borough Engineer, Lewistown, Mifflin Co., Pa. 22-3t

HOSPITAL BUILDING.

Poughkeepsie, N. Y.

Sealed proposals suitably endorsed on envelope for Construction of a Chronic Building, including Heating, Plumbing, Electric Light Wiring, Fixtures and Feeder Cables from Power House, Hudson River State Hospital, Poughkeepsie, N. Y., will be received up to three o'clock P. M. on Wednesday, the 20th day of June, 1906, by the State Commission in Lunacy, at the Capitol, Albany, N. Y., when bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at Hudson River State Hospital, Poughkeepsie, N. Y., or by application to G. L. Heins, State Architect, in the Capitol, at Albany, N Y

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

N. B.—Only bids for the complete work of construction, heating, plumbing and electric work combined will be considered.

Dated Albany, N. Y., May 25, 1906.
23-2t T. E. McGARR, Esq.,
Secy. State Commission in Lunacy.

STREET PAVING, ETC.

Norfolk, Va.

Sealed proposals will be received at this office until 12 o'clock noon, on the twenty-second day of June, 1906, for the improvement of Main Street in the City of Norfolk, Va.

An approximate schedule of the work to be done is shown in the blank form of proposal attached to the specifications, which may be obtained on application to W. T. Brooke, City Engineer.

Bids made out in full on the blank form of proposals attached to the specifications, must be enclosed in a sealed envelope, and addressed to L. W. Tazewell, Chairman of the Street Committee, in care of the City Treasurer.

Bids must be made for the whole work, and no partial bids will be considered.

Bids will be received for any one of the following pavements for Main Street:

1st. Granite block on a concrete foundation.

2nd. Creo. resinate on a concrete foundation.

3rd. Sheet asphalt on a concrete foundation.

4. Warren's Bithulithic on a concrete foundation.

5th. Bituminous macadam on a concrete foundation.

A certified check on some local bank must accompany each bid under the conditions expressed in the blank form of proposal.

The right to reject any or all bids is specially reserved by the Street Committee.

L. W. TAZEWELL,
Chm'n Street Com. Common Council.
C. W. NORTHERN,
Chm'n Street Com. Select Council.
22-2t

WATER-WORKS.

Port Washington, Wis.

Sealed bids will be received by Wm. A. Tholen, City Clerk, until 8.00 P. M., June 25, 1906, for furnishing and laying water pipe, hydrants, valves, and an intake pipe in the approximate amounts herein stated.

Each bid must be accompanied by a certified check for 5% of the approximate gross amount of the bid as a guarantee of good faith on the part of the bidder. A bond of 25% of the gross amount of the bid will be required of the contractor.

Plans and specifications may be seen on and after June 15, 1906, at the City Hall, Port Washington, Wis., at 31 Vroman Bldg., Madison, Wis.; at the office of the Engineering News, 1636 Monadnock Bldg., Chicago, Ill., and at the office of the Engineering Record, 1140 Monadnock Bldg., Chicago, Ill.

The right is reserved to reject any or all bids.

The work will be let in the following parts:
A. 21 tons of 4-in. cast-iron pipe.
270 tons of 6-in. cast-iron pipe.
152 tons of 8-in. cast-iron pipe.
124 tons of 10-in. cast-iron pipe.
34,000 pounds of specials.
B. 58 hydrants.
29 4-in., 6-in., 8-in. and 10-in. valves.
29 valve boxes.
C. Labor of laying the above pipe, etc.
I. Labor and material for 2,000 feet of intake pipe laid in Lake Michigan.

WM. A. THOLEN, City Clerk,
Port Washington, Wis.
W. G. KIRCHOFFER, Engr.,
23-2t Madison, Wis.

GRADING.

Townsend, Tenn.

Sealed proposals will be received by the General Manager of the Little River Lumber Company, at his office in Townsend, Blount Co., Tenn., until 12.00 o'clock noon, June 20th, 1906, for the grading of the Company's proposed railway extension on East Prong of Little River, as follows:

Division One.—From Sta. O. to Sta. 475 (Nine miles).

Division Two.—From Sta. 475 to Sta. 792 (Six miles).

The proposal to be made on a blank form furnished by the Company and in accordance with the plans and specifications to be seen at Townsend, Tenn.; at 218 Girard Building, Philadelphia; at the office of the Clearfield Lumber Company, Clearfield, Pa., or at the office of the Engineer.

The right is reserved to reject any and all bids.

LITTLE RIVER LUMBER COMPANY,
W. B. Townsend, Gen. Mgr.
E. W. HESS, Engineer,
23-2t Clearfield, Pa.

BUILDINGS AND EQUIPMENT.

Rochester (New York) State Hospital.

Sealed proposals, suitably endorsed on envelope, for Construction, including heating, plumbing, electric wiring and fixtures for Superintendent's Residence, also construction of Industrial Building, Rochester State Hospital, Rochester, N. Y., will be received up to 3 o'clock p. m., on Wednesday, the 20th day of June, 1906, by the State Commission in Lunacy, at the Capitol, Albany, N. Y., when bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at Rochester State Hospital, Rochester, N. Y., or by application to G. L. Heins, State Architect, in the Capitol, at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders, unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

N. B.—Only bids for the complete work of construction, heating, plumbing and electric work combined will be considered.

Dated, Albany, N. Y., May 26th, 1906.
T. E. McGARR, Esq.,
23-2t Sec'y State Commission in Lunacy.

SEWERS.

Waterford, N. Y.

Sealed bids will be received by the Board of Sewer Commissioners, Sewer District No. 2, Town of Waterford, N. Y., at their office in the Town Hall, Waterford, N. Y., until 8.00 P. M., June 15th, 1906, for building a sanitary sewer system (with lateral connections) and a storm water sewer system for said Sewer District No. 2, as per plans, profiles and specifications now on file in the office of Francis A. Martin, Atty. Board of Sewer Commissioners, No. 33 Broad St., Waterford, N. Y.

Separate bids will be received for the construction of each system Specifications, Proposals and Quantity Sheets may be had upon application to the Engineer.

All bids must be accompanied by a certified check equal to 10% of the bid. Checks shall be made payable to Chas. H. Shoemaker, Treas. Board of Sewer Commissioners, Sewer District No. 2, Town of Waterford, N. Y.

All bids shall be made upon blanks furnished in specifications.

The right is hereby reserved to reject any and all bids as the interest of the Town may appear.

LUKE KAVANAUGH,
Chairman.
THOS. F. GRATTAN, Engineer.
192 Mohawk St., Cohoes, N. Y. 23-2t

DREDGING ON PRESQUE ISLE.

Erie, Pa.

Sealed proposals, addressed to the Commissioners of Water-Works, in the City of Erie, Erie, Pa., and endorsed, "Proposals for dredging on Presque Isle," will be received at the office of the Commissioners until three o'clock P. M., June 28th, 1906, and then publicly opened.

The work will consist in excavating about 180,000 cubic yards for two settling basins, and placing the excavated material on the land of Presque Isle around and near the proposed basins.

Each proposal must be made on a printed form, which, together with the specifications, will be furnished upon application.

Each bidder must send with his proposal a certified check or a certificate of deposit of some National Bank, made payable to the Commissioners, for the sum of six hundred ($600.00) dollars.

The Commissioners reserve the right to reject any or all proposals.

GEORGE C. GENSHEIMER,
23-3t Secretary.

SEWER.

Bridgeport, Conn.

Sealed proposals for the construction of a brick or concrete sewer, addressed to the Director of Public Works and endorsed "Bid for Noble Avenue Sewer," will be received at the office of the Director of Public Works, Room 15, City Hall, Bridgeport, Conn., until Wednesday, June 20th, 1906, at 2 o'clock p. m., at which hour the bids will be publicly opened and read.

Plans and specifications may be seen at the City Surveyor's office, Room 20, City Hall, Bridgeport, Conn.

A certified check for $1,000, payable to the City of Bridgeport, must accompany each proposal.

The right is reserved to reject any or all proposals.

PATRICK KENNELLY,
23-2t Director of Public Works.

DRAINAGE [illegible]NAL.

Wichita, Kans.

Sealed bids will be recei[illegible] at this office for the construction of the [illegible]hita Drainage Canal until 5 o'clock p[illegible] June 18, 1906. The approximate amoun[illegible] the work covered by this contract i[illegible] follows:

Length, 3 84-100 mile[illegible]
Cubic Yards excavatio[illegible],032.
Average width on bo[illegible] 23½ feet.
Average cut, 9¾ feet.
Sides of cut to slope, 1[illegible] 1.
Dirt to be deposited o[illegible]face, leaving a 10-foot berm.

Clearing and grubbing [illegible] be included in price per cubic yard.

All work to be done acc[illegible]g to plans and specifications on file in th[illegible] office of the City Engineer and under his di[illegible]ion.

Bidders will be required [illegible] enclose a certified check, in the sum of [illegible]00, payable to the City of Wichita, as a [illegible]uarantee of good faith.

The Mayor and Council [illegible]rve the right to reject any and all bids.

23-2t. R. N. DO[illegible], City Clerk.

STREET PAVING.

Spangler, Pa.

Sealed proposals will be received by the Council of Spangler Borough until 7 p. m., June 20th, 1906, for the grading, curbing and brick paving of Bigler Ave., between N. 1st St. and S. 5th St. (about 8,000 sq. yds.). The right is reserved to reject any or all bids. Plans can be seen and specifications obtained at the office of H. J. Hinterleitner, Borough Engineer.

Spangler, Cambria Co., Pa. 23-2t

BRICK PAVING.

Kingston, Pa.

Sealed proposals for curbing and paving Wyoming Ave., Kingston, Pa., with vitrified fire clay paving block, will be received by the Kingston Borough Council, at the Borough Building, at 8 P. M., Monday, June 11th. Total contract about 17,000 sq. yds., curb about 6,000 lin. ft., circular curb about 50 lin. ft. Certified check on a Kingston or Wilkes-Barre bank, to order of E. M. Rosser, Boro. Treas., for $1,000.00 with each proposal. Plans, specifications and bidding blanks can be seen at the office of Smith & Welles, 79 Coal Exchange, Wilkes-Barre. Proposals must be so marked, and addressed to W. J. Williams, Borough Secretary, Kingston.

H. S. SMITH,
23-1t Borough Engineer.

LEVELLING.

Famagusto, Cyprus.

Tenders are invited for the leveling of one square mile of sand hills to the north of Famagusta harbor, Cyprus, by means of shovelers, scrapers or light railways. The Anglo-Egyptian Land Allotment Company, which invites the tenders is prepared to purchase at a price fixed beforehand, the plant after the work is finished, if accord become to with an offerer. Offers to be handed in to

B. G. AMIRAYAN, Esq.,
Manager Cyprus Agricultural Bank,
23-4t Famagusta, Cyprus.

CIVIL SERVICE EXAMINATIONS—NEW YORK STATE.

Examinations will be held June 30, 1906, for the New York State Service as follows: Architectural Draughtsman, $15 to $25 a week; Bridge Designer, $1,500 to $1,800; Bridge Draughtsman, $1,200 to $1,500; Rodman, $3.50 a day.

For further particulars and application blank, address,

CHIEF EXAMINER,
State Civil Service Commission,
23-1t Albany, N. Y.

ARTHUR'S PASS TUNNEL CONTRACT.

New Zealand Midland Railway,
Wellington, New Zealand.

Alternative tenders will be received at the office of the High Commissioner for New Zealand, Westminster Chambers, 13 Victoria Street, London, S. W., for the Construction of a Tunnel, about 5 miles 25 chains in length, at Arthur's Pass, through the dividing range betwen Canterbury and Westland, on the route of the New Zealand Midland Railway. They are to be addressed to the High Commissioner for New Zealand, and marked on the outside "Tender for Arthur's Pass Tunnel." Tenders will be received up till noon of Saturday, June 30, 1906.

Plans, specifications and conditions may be seen, and tender forms and other information obtained from Mr. Virgil G. Bogue, Consulting Engineer, 15 William Street, New York, and at the offices of the "Engineering News," Monadnock Block, Chicago, and New York.

The lowest or any tender will not necessarily be accepted.

(By order) P. S. HAY,
Engineer-in-Chief.
Public Works Office, Wellington, New Zealand, April 18, 1906. 22-5t

GARBAGE INCINERATOR.

Winnipeg, Can.

Sealed tenders addressed to Ald. Chris. Campbell, chairman Health Committee, for supply and erection complete of a garbage and night soil incinerator for the City of Winnipeg, of a capacity of 140 tons per day, will be received at the office of the undersigned up to 3.30 P. M., Thursday, June 21, 1906.

Full description, plans and specifications of the plant must accompany each tender. All information required will be furnished by Dr. A. J. Douglas, Medical Health Officer, Winnipeg.

Each tender must be accompanied by an accepted cheque payable to the order of the City Treasurer, or cash deposit for a sum equal to 5 per cent. of the total amount of the tender, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract, with approved sureties if called upon to do so.

The City reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

C. J. BROWN,
City Clerk.

22-2t

FIREPROOF OFFICE FIXTURES.

Cape May, N. J.

Sealed proposals will be received by the Board of Chosen Freeholders of the County of Cape May, State of New Jersey, until 12.30 o'clock P. M. of the 14th day of June, A. D. 1906, for the furnishing of fireproof fixtures for the Clerk and Surrogate Offices of the County of Cape May, N. J., and the proper erection of said fixtures, according to plans and specifications which are now on file at the County Clerk's office at Cape May Court House, N. J.

On the above-mentioned date all bids received will be opened and publicly read, at a meeting of said Board of Chosen Freeholders, to be held at the Alms House, of the County of Cape May, at Cape May Court House, N. J.

The Board of Chosen Freeholders reserve the right to reject any or all bids.

All proposals should be marked "Fireproof Fixtures."

By order of the Board of Chosen Freeholders. 22-3t

ANTHONY B. SMITH, Director.

ARTESIAN WELL BORING.

Famagusta, Cyprus.

Tenders are invited by the Anglo-Egyptian Land Allotment Co. for the sinking of artesian wells at Larnaca and Famogusta, Cyprus. The price to be stated in shillings per foot for the first one thousand feet, for the second thousand, and for the third thousand. The bore to begin with a ten-inch pipe, and to be carried down to Plutonic rock, or when directed to stop by the agent of the company. A price per foot for each kind of pipe allowed to remain in the bore to be also quoted. The bore at Larnaca is likely to be under 1,000 feet, and at Famagusta under 2,500 feet. The bore at Famagusta not to be begun until the one at Larnaca has been successfully completed. Tender to be sent in before August 1, 1906, to the Anglo-Egyptian Land Allotment Co., Famagusta, Cyprus.

W. WILLCOCKS, Agt.

22-4t

MUNICIPAL POWER STATION.

Lake Placid, N. Y.

Sealed proposals will be received by Thomas George, Village Clerk, until 8.00 P. M., June 12, 1906, for the construction of a concrete block building, 82 ft. 8 ins. x 37 ft. 0 ins., with reinforced concrete floor and roof.

Plans and specifications may be seen at the Village office, Lake Placid, N. Y., or at the office of the Engineer at Dolgeville, N. Y.

The Village Trustees reserve the right to reject any or all bids.

B. R. BREWSTER,
Village Pres.
THOMAS GEORGE, Clerk.
CHAS. E. COLLINS, Engineer. 22-2t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 29, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Browning, Montana, until 2 o'clock p. m., July 31, 1906, for the construction of about 14 miles of canal for the diversion of 850 cubic feet of water per second from the St. Mary River at a point about 35 miles northwest of Browning, involving the excavation of about 1,700,000 cubic yards of material. Particulars may be obtained at the office of the Chief Engineer of the Reclamation Service, Washington, D. C., or from Cyrus C. Babb, Engineer, Browning, Montana. E. A. HITCHCOCK, Secretary. 23-5t

SEWAGE DISPOSAL PLANT.

Wayne, Pa.

Bids covering the furnishing of materials and the performance of labor required in the construction of a sewage disposal plant at Wayne, Delaware Co., Penna., will be received until noon of Thursday, June 14th, at the office of this company, 112 North Broad St., Philadelphia.

Plans and specifications may be seen at the said office or at the office of the engineers, the City-Wastes Disposal Co., 156 Fifth Ave., New York.

The proposed construction includes approximately:

18,500 cu. yds. excavation.
950 cu. yds. reinforced concrete.
50,000 brick laid in cement.
1,400 ft. sewers.
3,500 ft. underdrains.
840 cu. yds. crushed coke.
18,000 cu. yds. filter sand.

Manholes, siphons, valves, etc., etc.

Each bid must be accompanied by a certified check for Two Thousand Dollars ($2,000), made payable to the Wayne Sewerage Company, as a guarantee that the bidder, if his bid be accepted, will enter into contract, and execute the required bond, within five days after notice of the award; otherwise the said check and the sum represented by the said check shall be forfeited as liquidated damages incurred by failure so to contract.

The Company reserves the right to reject any or all bids.

WAYNE SEWERAGE COMPANY,
By H. P. Keen,
Gen'l Supt. Operating Dept.
CITY-WASTES DISPOSAL CO.,
Engineers,
23-1t 156 Fifth Ave., New York.

MACADAM ROADS.

Somerville, N. J.

The Board of Chosen Freeholders of Somerset County, New Jersey, will receive sealed bids at the Court House in Somerville on Friday, June 22d, 1906, at ten o'clock A. M., for Macadamizing 3 12-100 Miles of Road in Bridgewater Township, leading from the Somerville Corporation line westerly to the Iron Bridge across the North Branch of the Raritan River, at North Branch.

Each bid must be accompanied with a certified check for $1,000, payable to the order of Henry W. Baird, Director. The maps, profiles and specifications can be seen at the office of the State Commissioner of Public Roads, State House, Trenton, N. J., and at the office of Joshua Doughty, County Engineer, Somerville, N. J.

The right is reserved to reject any or all bids if deemed to the interest of the County or State.

By order of the Board.

HENRY W. BAIRD,
Director.

Somerville, N. J., May 29, 1906. 23-3t

WATER MAINS.

Norfolk, Va.

Sealed proposals will be received up to 12 o'clock noon, June 14th, 1906, at the office of the Superintendent of the Norfolk City Water Department, Norfolk, Va., for the furnishing and installation of a water main complete from the intersection of 12th St. and Williams Ave., Norfolk, Virginia, to the Jamestown Exposition Grounds, consisting, approximately, of 10,390 feet of 16-in. Cast-Iron Bell and Spigot Pipe, 23,200 feet of 12-in. Cast-Iron Bell and Spigot Pipe, 1,800 feet of 12-in. Cast-Iron Submerged Pipe, flexible joint pattern, and all necessary special castings, gate valves, etc.

Instructions to bidders, specifications and form of proposal may be obtained upon application at the Office of the City Water Department. Also may be seen at the office of the Engineering News, New York, N. Y., and Manufacturers' Record, Baltimore, Md.

Certified check for $3,000.00 must accompany proposal as a guarantee that if the bid is accepted the bidder will enter into a contract within ten days thereafter.

The right to reject any or all bids is specially reserved.

BOARD OF WATER COMMISSIONERS.
23-1t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 8, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Billings, Montana, until 2 o'clock p. m., June 20, 1906, for the construction of about 17 miles of canal, involving approximately 350,000 cubic yards of excavation. Plans, specifications and proposal blanks may be obtained from the Chief Engineer, Reclamation Service, Washington, D. C., or from the Engineer, Huntley, Montana. E. A. HITCHCOCK, Secretary. 20-5t

GASOLINE ENGINES AND PUMPS.

Chatham, Va.

Bids will be received until June the 15th, 1906, for furnishing F. O. B. Chatham, Va., two Gasoline Engines and small Triplex Pumps for municipal water-works. For specifications address,

J. H. HARGRAVE, JR., Mayor,
Chatham, Va.
J. N. AMBLER, Engineer, Salem, Va.
Chatham, Va., May 28th, 1906. 23-1t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 29, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Billings, Montana, until 2 o'clock p. m., July 10, 1906, for the construction of the Corbett Dam, a reinforced concrete structure, located on the Shoshone River about 8 miles northeast of Cody, Wyoming. The structure will require about 10,000 cubic yards of excavation, 5,000 cubic yards of concrete, 9,000 cubic yards of earth and gravel embankment and the placing of 250,000 pounds of steel reinforcement. Particulars may be obtained from the Chief Engineer of the Reclamation Service, Washington, D. C., or from the Project Engineer, Cody, Wyoming. E. A. HITCHCOCK, Secretary. 23-4t

SEA WALL.

FORT MONROE, VA. June 1st, 1906.—Sealed proposals, in triplicate, for furnishing labor and material for the repairing of the sea wall at Fort Monroe, Va., will be received at the Office of the Constructing Quartermaster until noon, June 30th, 1906. The United States reserves the right to accept or reject any or all parts of proposals therefor. Information furnished on application. Bids should be plainly marked as such on the envelope or outside wrapper. Address CAPTAIN R. H. C. KELTON, Q. M. 23-4t

STEEL CONSTRUCTION.—Office of Building for National Museum, Library of Congress, Washington, D. C., May 31, 1906.—Sealed proposals for steel construction for the second, third and attic floors and roof of the new building for the National Museum, in this city, will be received at this office until 2 o'clock P. M., Monday, the 18th day of June, 1906, and then publicly opened. Specifications and information furnished on application to this office. BERNARD R. GREEN, Superintendent of Construction. 23-2t

U. S. ENGINEER OFFICE, Room 508 Federal Bldg., Chicago, Ill., May 26, 1906.—Sealed proposals for concrete superstructure in Chicago Harbor, Ill., will be received here until noon, June 30, 1906, and then publicly opened. Information on application. W. H. BIXBY, Lt. Col., Engrs. 22-4t

U. S. ENGINEER OFFICE, Boston, Mass., May 25, 1906.—Sealed proposals for repairing breakwater at Burlington, Vt., will be received here until 12 M., June 25, 1906, and then publicly opened. Information on application. W. S. STANTON, Col., Engrs. 22-4t

U. S. ENGINEER OFFICE, 415 Customhouse, Cincinnati, O., May 30, 1906.—Sealed proposals for constructing guide and retaining walls and paving at Lock No. 1, Big Sandy River, Catlettsburg, Ky., will be received here until 2 P. M., standard time, June 29, 1906, and then publicly opened. Information on application. J. G. WARREN, Major Engrs. 22-4t

U. S. ENGINEER OFFICE, Charleston, S. C., May 28, 1906.—Sealed proposals for furnishing stone and constructing mound on South Jetty at Winyah Bay, S. C., will be received here until 12 noon, June 21, 1906, and then publicly opened. Information furnished on application. G. P. HOWELL, Capt., Engrs. 22-3t

Miscellaneous Wants

INSPECTING ENGINEER of ten years' experience in mill and shop inspection of structural steel and in management of office for two large inspection bureaus, desires to change position. Will accept office management of inspection bureau in New York or will organize and manage inspection department for large steel contractor. Salary, $2,500. Address "A. B. 23," Engineering News, New York. 23-1t

SITUATIONS OPEN

WANTED—A TECHNICAL WRITER.—The leading compressor builders want a technical advertising writer. He should be young and an engineering graduate, with practical experience, including writing; and he must write catalogue English. Address "Z B 23," Engineering News, New York. 23-2t

DRAFTSMEN AND FOREMEN wanted for reinforced concrete building construction; first-class men, with long experience in this line. Please state full particulars, age and salary wanted. L. J. MENSCH, Monon Bldg., Chicago. 23-2t

WANTED.—Engineer with one or two years' experience on general construction, by contractor engaged in building work in Pennsylvania. Address "R. 23," Engineering News, New York. 23-3t

WANTED.—A young engineer to prepare erection plans and handle office end of erection work for a bridge shop having capacity of 2,000 tons per month; a competent man who has had experience in both erection and drawing room work preferred. State age, education, experience and salary expected. Address "Z. 23," Engineering News, New York. 23-3t

WANTED AT ONCE. — Railroad engineer familiar with operating railroad and with good business experience; position is a good one for the right man, who will be required to go at once to Cuba. Please reply, stating reference and experience, to "O. 23," Engineering News. 23-2t

INSTRUCTOR IN CIVIL ENGINEERING wanted for September in Eastern technical school at $900 per year; applicants should be graduates in civil engineering, have had from two to six years' practical experience and hold membership in American Society of Civil Engineers. Address, in own handwriting, "B. 23" Engineering News New York. 23-2t

SEVERAL EXPERIENCED MECHANICAL DRAFTSMEN wanted on general and structural engineering; must be quick and accurate. Also bright young technical graduates; good prospects and opportunities for advancement to the right men. State terms and experience in detail, to "H. 23," Engineering News, New York. 23-1t

WANTED.—One designer and several first-class detailers on bridges and buildings; none but first-class men need apply. Address MODERN STEEL STRUCTURAL CO., Waukesha, Wis. 23-2t

WANTED.—Structural draftsman by a plant within 100 miles of New York City; must have experience as detailer and checker; state experience, age, if married, when free to come and salary expected. Address "I. 23," Engineering News, New York. 23-1t

WANTED.—Experienced draftsmen to make working drawings for railroad bridges; state education, experience, age, salary expected and advise how soon could report; send small blueprint sample of work. Apply to THE TOLEDO-MASSILLON BRIDGE CO., Toledo, Ohio. 23-tf

WANTED.—A first-class general foreman, experienced in river work, concrete, etc. Write or apply, P. E. COMPANY, 905 Bessemer Bldg., Pittsburg, Pa. 23-1t

WANTED.—A young man to take an interest and invest $10,000 with engineer and contractor, with large plant and growing business but handicapped by lack of ready money, to form a construction company. Address P. O. Box 482, 120 Broadway, New York City. 23-tf

HEAD DRAFTSMAN.—A man experienced in dams, power-houses and general hydraulic construction, including computations and practical details. State experience and qualifications. State how soon available. Address "C. A. 23," Engineering News, New York. 23-3t

STRUCTURAL DRAFTSMEN wanted who are experienced in the design of power-houses and similar lines. Permanent positions. Address "S. B. 23," Engineering News, New York. 23-1t

WANTED—Graduate civil engineer experienced in municipal work to take full charge large operation, laying out lots, grading, sidewalk and road construction, etc. State full particulars, age, experience, references and salary expected. Permanent position if satisfactory. Address "R. B. 23," Engineering News, New York. 23-2t

REINFORCED CONCRETE engineer wanted to take complete charge of operations, giving his time wholly to visiting and directing different works under construction. The position requires a man of broad experience, not only in building operations, but also in affiliated work, and who can put good work through at a minimum of cost. Preference will be given to such a man who can also invest, personally or through influence, in one of the prominent companies, in excess of $100,000, becoming a director in the business, and thus responsible for his work. Address "B. 22," care Engineering News, New York. 22-3t

ASSISTANT manager or general superintendent. A man who has superintended the construction of large concrete work; preferably one who has had experience in building large water power plants. Must be exceptionally capable and well recommended by former employers and ready for immediate engagement. Apply "X. 22," Engineering News, New York. 22-2t

FOREMEN—Experienced in deep ditching and concrete work, and used to working Italian or other foreign labor; for work in Tennessee. Apply "Z. 22," Engineering News, New York. 22-2t

WANTED.—Instrumentmen, draftsmen and concrete inspectors; state age, experience and education. Address BOX 905, Schenectady, N. Y. 22-6t

WANTED.—An engineer familiar with water-works construction to become associated in an established business, showing 20% profit. Must be able to invest $5,000 or $10,000 in the company's stock. Address "L. A. 22," Engineering News, New York. 22-2t

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GEO. W. BOYD,
General Passenger Agent, Philadelphia, Pa.